

chain nodes:

7 8 9 10 11 12 15

ring nodes:

1 2 3 4 5 6

chain bonds:

2-15 5-7 7-8 7-9 9-10 10-11 11-12

ring bonds:

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds:

1-2 1-6 2-3 2-15 3-4 4-5 5-6 5-7 7-8 9-10 10-11 11-12

exact bonds:

7-9

isolated ring systems:

containing 1:

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS8:CLASS9:CLASS10:CLASS11:CLASS12:Atom 15:CLASS

Generic attributes:

15:

Type of Ring System : Monocyclic

Element Count:

Node 12: Limited N,N1-2 O,O0 S,S0

C:\Documents and Settings\EBernhardt\My Documents\Stnexp\Queries\10500476-3.str

chain nodes:

7 8 9 10 11 12

ring nodes:

1 2 3 4 5 6 17 18 19 20 21 22

chain bonds:

2-21 5-7 7-8 7-9 9-10 10-11 11-12

ring bonds:

1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22

exact/norm bonds:

1-2 1-6 2-3 2-21 3-4 4-5 5-6 5-7 7-8 9-10 10-11 11-12

exact bonds:

7-9

normalized bonds:

17-18 17-22 18-19 19-20 20-21 21-22

isolated ring systems:

containing 1: 17:

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS8:CLASS9:CLASS10:CLASS11:CLASS12:Atom

17:CLAS\(\frac{1}{2}\):Atom 19:Atom 20:CLAS\(\frac{2}{2}\):Atom 22:Atom

Element Count:

Node 12: Limited

N,N1-2

O,O0 S,S0 =>

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Documents\Stnexp\Queries\10500476-3.str

chain nodes : 7 8 9 10 11 12 ring nodes : 1 2 3 4 5 6 17 18 19 20 21 22 chain bonds : 2-21 5-7 7-8 7-9 9-10 10-11 11-12 ring bonds : 1-2 1-6 2-3 3-4 4-5 5-6 17-18 17-22 18-19 19-20 20-21 21-22 exact/norm bonds : 1-2 1-6 2-3 2-21 3-4 4-5 5-6 5-7 7-8 9-10 10-11 11-12 exact bonds : 7-9 normalized bonds : 17-18 17-22 18-19 19-20 20-21 21-22 isolated ring systems : containing 1:17:

Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:Atom 17:CLASS 18:Atom 19:Atom 20:CLASS 21:Atom 22:Atom Element Count :

Node 12: Limited

N, N1-2

0,00

S, S0

L4 STRUCTURE UPLOADED

=> s 14 sub=13 full FULL SUBSET SEARCH INITIATED 15:04:39 FILE 'REGISTRY' FULL SUBSET SCREEN SEARCH COMPLETED - 1497 TO ITERATE

100.0% PROCESSED 1497 ITERATIONS

973 ANSWERS

SEARCH TIME: 00.00.01

L5 973 SEA SUB=L3 SSS FUL L4

=> s 13 not 15

L6 540 L3 NOT L5

Page 1

=> save 16
ENTER NAME OR (END):ten500476/a
ANSWER SET L6 HAS BEEN SAVED AS 'TEN500476/A'

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 208.54 208.75

FULL ESTIMATED COST

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http://www.cas.org/infopolicy.html

=> s 16

L7 52 L6

=> d 17 1-52 bib abs fhitstr

- L7 ANSWER 1 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2006:821750 CAPLUS
- DN 145:285357
- TI Kinetic evidence for tandemly arranged ligand binding sites in melanocortin 4 receptor complexes
- AU Kopanchuk, Sergei; Veiksina, Santa; Mutulis, Felikss; Mutule, Ilze; Yahorava, Sviatlana; Mandrika, Ilona; Petrovska, Ramona; Rinken, Ago; Wikberg, Jarl E. S.
- CS Institute of Organic and Bioorganic Chemistry, University of Tartu, Tartu, 51014, Estonia
- SO Neurochemistry International (2006), 49(5), 533-542 CODEN: NEUIDS; ISSN: 0197-0186
- PB Elsevier B.V.
- DT Journal
- LA English
- AB The melanocortin 4 receptor (MC4R) binding of the peptide analog of MSH, [125I]NDP-MSH, and the low mol. weight radionucleid 1-(D-1,2,3,4-tetrahydroisoquinoline-3-carboxy-D-4-125iodophenylalanyl)-4-cyclohexyl-4-[(1,2,4-triazol-1-yl)methyl]piperidine trifluoroacetate ([125I]THIQ) were

compared. Kinetic anal. indicated heterogeneity in the binding of both radioligands, the binding apparently proceeding to two tandemly arranged interconnected mutually dependent binding sites. Steric considerations and BRET anal. of Rluc and GFP tagged receptors proposed that these sites are located on different subunits of receptor dimers, which form receptor complexes. According to the minimal model proposed, ligand binding proceeds consecutively to the two binding sites of the dimer. After binding of the first ligand conformational transformations of the complex occur, which is followed by binding of the second ligand. When both receptor units have bound [1251]NDP-MSH, the radioligand can be released only from one unit. The [1251]NDP-MSH bound to the remaining unit stays practically irreversibly bound due to a very slow retransformation rate of the transformed complex. The considerably faster binding of [1251]THIQ did not allow accurate kinetic differentiation of the two binding sites. However, addition of NDP-MSH as well as a fragment of the human agouti protein, hAGRP(83-132) to the preformed [1251]THIQ-MC4R complex drastically retarded the release of [1251] THIQ from the complex, blocking conformational transformations in the complex by binding into the second binding site. The consecutive binding of ligands to the MC4R dimers has substantial impact on the apparent ligand potencies, when determined in competition with the two different radioligands applied herein; the apparent potencies of the same ligand differing up to three orders of magnitude when assayed in competition with [1251]NDP-MSH or [1251]THIQ. 766550-08-7

IT

CN

RL: BSU (Biological study, unclassified); BIOL (Biological study) (kinetic evidence for tandemly arranged ligand binding sites in human melanocortin 4 receptor complexes)

RN 766550-08-7 CAPLUS

3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-(4-cyclohexyl-1-piperazinyl)-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 766550-07-6 CMF C29 H37 C1 N4 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

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CO2H
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RE.CNT 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD

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ALL CITATIONS AVAILABLE IN THE RE FORMAT
L7
      ANSWER 2 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
      2006:656692 CAPLUS
AN
DN
      145:96491
      Use of CGRP antagonists in treatment and prevention of hot flushes in
ΤI
     prostate cancer patients
IN
      Rudolf, Klaus; Doods, Henri; Mueller, Stephan Georg; Zamponi, Annette;
      Lustenberger, Philipp; Stenkamp, Dirk; Arndt, Kirsten; Schaenzle, Gerhard;
      Brickl, Rolf-Stefan
PA
      Boehringer Ingelheim International G.m.b.H., Germany; Boehringer Ingelheim
      Pharma G.m.b.H. & Co. K.-G.
      PCT Int. Appl., 46 pp.
SO
      CODEN: PIXXD2
DT
      Patent
LА
      English
FAN.CNT 1
      PATENT NO.
                             KIND
                                      DATE
                                                    APPLICATION NO.
                                                                                DATE
                              ____
     WO 2006069754
                                      20060706
                                                    WO 2005-EP13974
PI
                               A1
                                                                                20051223
          W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
               CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC,
               VN, YU, ZA, ZM, ZW
          RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
               IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
               CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
               GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
               KG, KZ, MD, RU, TJ, TM
      DE 102004063755
                                      20060720
                                                    DE 2004-102004063755
                               A1
                                                                                20041229
                               A1
      US 2006154921
                                      20060713
                                                    US 2005-301422
                                                                                20051213
PRAI DE 2004-102004063755 A
                                      20041229
      The invention discloses a method for treatment or prevention of hot
      flushes in men who underwent castration, e.g. due to androgen ablation
      treatment in prostate cancer therapy, comprising administration of an
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effective amount of a selected CGRP antagonist to the patient, as well as the use of the active compds. for the manufacture of a pharmaceutical composition

intended to be used in this method.

IT 686296-57-1

> RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(CGRP antagonists for treatment and prevention of hot flushes in prostate cancer patients)

RN686296-57-1 CAPLUS

1-Piperidinecarboxamide, N-[(1R)-1-[(3,4-diethylphenyl)methyl]-2-[4-(1-CN.

 $\label{lem:methyl-4-piperidinyl} $$ -1-piperazinyl]-2-oxoethyl]-4-(1,2,4,5-tetrahydro-2-oxo-3H-1,3-benzodiazepin-3-yl)- (9CI) $$ (CA INDEX NAME)$$

Absolute stereochemistry.

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:636811 CAPLUS

DN 145:76714

TI Use of selected CGRP antagonists for combating menopausal hot flushes

IN Rudolf, Klaus; Doods, Henri; Mueller, Stephan Georg; Zamponi, Annette; Lustenberger, Philipp; Arndt, Kirsten; Schaenzle, Gerhard; Stenkamp, Dirk; Brickl, Rolf-Stefan

PA Boehringer Ingelheim International GmbH, Germany

SO U.S. Pat. Appl. Publ., 21 pp. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

	PATENT	NO.			KIN	D	DATE			APPL:	ICAT	ION I	NO.		D	ATE	
PI	US 2006				A1		2006			US 2					_	0051	
	DE 1020				A1		2006			DE 2					_	0041	
	WO 2006	0724	15		A 1		2006	0713	ľ	WO 2	005-	EP13	972		2	0051	223
	W:	ΑE,	ΑG,	ΑL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,
		CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KM,	KN,	KP,	KR,
		KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,
		MZ,	NA,	NG,	NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,
		SG,	SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	ŲÀ,	ŪG,	US,	UZ,	VC,
		VN,	YU,	ZA,	ZM,	ZW											
	R₩:	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,
		IS,	IT,	LT,	LU,	LV,	MC,	NL,	PL,	PT,	RO,	SE,	SI,	SK,	TR,	BF,	ВJ,
		CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG,	BW,	GH,
		GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
		KG,	ΚZ,	MD,	RU,	ТJ,	TM										

PRAI DE 2004-102004063752 A 20041229

AB The invention discloses the use of selected CGRP antagonists, the physiol.

acceptable salts thereof or the hydrates or the hydrates of the salts thereof for combating menopausal hot flushes. A variety of formations are included.

IT 686296-57-1

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(CGRP antagonists for combating menopausal hot flushes)

RN 686296-57-1 CAPLUS

CN 1-Piperidinecarboxamide, N-[(1R)-1-[(3,4-diethylphenyl)methyl]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-4-(1,2,4,5-tetrahydro-2-oxo-3H-1,3-benzodiazepin-3-yl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 4 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:636805 CAPLUS

DN 145:96481

TI Use of selected CGRP antagonists in combination with other antimigraine drugs for the treatment of migraine

IN Rudolf, Klaus; Doods, Henri; Mueller, Stephan Georg; Zamponi, Annette; Lustenberger, Philipp; Arndt, Kirsten; Schaenzle, Gerhard; Stenkamp, Dirk; Brickl, Rolf-Stefan

PA Boehringer Ingelheim International GmbH, Germany

SO U.S. Pat. Appl. Publ., 22 pp. CODEN: USXXCO

DT Patent

LA English

FAN CNT 1

L MIA .	CNI	Τ.																
	PA'	CENT	NO.			KIN	D	DATE			APPL:	ICAT	ION 1	NO.		D	ATE	
			-				-											
PΙ	US	2006	1422	73		A1		2006	0629		US 2	005-	2751	69		2	00512	216
	DE 102004063753 WO 2006072413				A 1		2006	0713		DE 2	004-	1020	0406	3753	2	0041	229	
	WO	WO 2006072413				A 1		2006	0713		WO 2	005-	EP13	964		2	00512	223
		W:	ΑE,	AG,	ΆL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
			CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KM,	KN,	KP,	KR,
			ΚZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,
			•	•		•		ΝŻ,	-		•		-		-	-	-	
		•	SG,	SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	ΤZ,	UA,	ŪG,	US,	UΖ,	VC,

VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI DE 2004-102004063753 A 20041229

AB The invention discloses a process for the treatment or prevention of indications which are selected from among the group comprising headaches, migraine and cluster headaches, the process comprising the joint administration of a therapeutically effective amount of a selected CGRP antagonist (A), a physiol. acceptable salt thereof or a hydrate of the salt and a therapeutically effective amount of a second or third active anti-migraine medicament (B), particularly sumatriptan, zolmitriptan, or dihydroergotamine, or a physiol. acceptable salt thereof, as well as the corresponding pharmaceutical compns. and the preparation thereof. A variety of formulations are included.

IT 686296-57-1

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(CGRP antagonists in combination with other antimigraine drugs for treatment of migraine)

RN 686296-57-1 CAPLUS

CN 1-Piperidinecarboxamide, N-[(1R)-1-[(3,4-diethylphenyl)methyl]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-4-(1,2,4,5-tetrahydro-2-oxo-3H-1,3-benzodiazepin-3-yl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 5 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:548798 CAPLUS

DN 145:211324

TI Privileged structure based ligands for melanocortin receptors - 4,4-disubstituted piperidine derivatives

AU Kuklish, Steven L.; Backer, Ryan T.; Briner, Karin; Doecke, Christopher W.; Husain, Saba; Mullaney, Jeffrey T.; Ornstein, Paul L.; Zgombick, John M.; O'Brien, Thomas P.; Fisher, Matthew J.

CS Lilly Research Laboratories, A Division of Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN, 46258, USA

SO Bioorganic & Medicinal Chemistry Letters (2006), 16(14), 3843-3846 CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier B.V.

DT Journal

LA English

GI

AB Achiral 4,4-disubstituted piperidine privileged structures were prepared as melanocortin 4 receptor (MC4R) ligands (e.g., I). The piperidine nitrogen was replaced with carbon, oxygen, sulfur, and sulfone with minor erosion of binding.

Ι

IT 569654-01-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of 4,4-disubstituted piperidine derivs. as melanocortin 4 receptor (MC4R) ligands)

RN 569654-01-9 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(4-ethyl-1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 14 ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 6 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN L7

2006:544646 CAPLUS ΑN

145:46084 DN

process for the preparation of oxoquinazolinylpiperidinylcarbamoylethylind TI

Chaturvedula, Prasad; Han, Xiaojun; Jiang, Xiang-Jun J. IN

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 66 pp. CODEN: PIXXD2

 \mathtt{DT} Patent

English

LΑ

FAN.CNT 1

PAIV.	PATENT	NO.			KIN	D .	DATE			APPL:	ICAT:	ION 1	NO.		D	ATE	
PI	WO 200				A2 A3		2006 2006		1	WO 2	005-1	US43	670		2	0051	202
																	~
	W:	ΑE,	AG,	ΑL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KM,	KN,	KP,	KR,
		KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,
		•	•	•			NZ,			-							-
		•	•	•	•		ТJ,	•	•	•		•	•	•	•	•	•
		•	YU,				•	·	•	•	•	·	•	•	•	•	·
	. RW	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,
		•	•	•	•		MC,					•					•
		•	•	•									•	•			GH,
		GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	ŪĠ,	ZM,	ZW,	AM,	ΑŻ,	BY,
		KG.	KZ,	MD.	RU.	TJ.	TM	·	•		•	•	•			•	•
	US 2006122250					•		0608	1	US 2	005-	2916	70		20	0051	201
PRAT	PRAI US 2004-633159P														_		
os	MARPAT				-												
	PAREAL	140:	4000	7													
GI																	

$$V \downarrow D \qquad V \downarrow M \qquad G \qquad G \qquad A - Ep \downarrow J \qquad I$$

AB Title compds. [I; V = NR1R2, OR4; R4 = alkyl, haloalkyl, etc.; R1, R2 = H,
 (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, Ph, azetidinyl,
 adamantyl, oxadiazolyl, piperazinyl, etc.; R1R2N = (substituted)
 azetidinyl, pyrrolyl, pyrrolinyl, pyrrolidinyl, azepinyl, diazepinyl,
 piperidinyl, piperazinyl, etc.; R3 = (substituted) (bicyclic) heteroaryl,
 Ph, fluorenyl, naphthyl; D = O, NCN, alkylsulfonylimino; m, n = 0-2; A, E
 = C, N, CH; p = 0, 1; if p = 1, GJE = atoms to form (substituted) (fused)
 heterocyclyl; if p = 0, AJG = atoms to form (substituted) spirocyclyl;
 with provisos], were prepared via a 6-step procedure. Thus,
 4-iodo-2,6-dimethylaniline hydrochloride (preparation given), Me
 2-benzyloxycarbonylacrylate (preparation given), Pd(OAc)2, Bu4NCl, and Et3N
 were refluxed together for 3 h in THF to give 65% Me (Z)-3-(4-amino-3,5-dimethylphenyl)-2-benzyloxycarbonylacrylate. This was hydrogenated using
 (-)-1,2-bis[(2R,5R)-2,5-diethylphospholano]benzene(cyclooctadiene)rhodium(
 I) tetrafluoroborate in CH2Cl2/MeOH at 65 psi H2 for 16 h at room temperature

II

give 98% Me (R)-3-(4-amino-3,5-dimethylphenyl)-2(benzyloxycarbonylamino)propanoate. The latter was stirred with KOAc and isoamyl nitrite in PhMe/HOAc for 16 h to give 76% Me (R)-2(benzyloxycarbonylamino)-3-(7-methyl-1H-indazol-5-yl)propanoate.
Hydrogenolysis of this in MeOH over Pd/C at 15 psi H2 overnight gave 100% Me (R)-2-amino-3-(7-methyl-1H-indazol-5-yl)propanoate. This was stirred with diisopropylethylamine and disuccinimidyl carbonate in DMF for 30 min. followed by addition of 3-(piperidin-4-yl)-3,4-dihydroquinazolin-2(1H)-one and stirring for 24 h to give 100% Me (R)-2-[4-[2-oxo-1,2-dihydroquinazolin-3(4H)-yl]piperidine-1-carboxamido]-3-(7-methyl-1H-indazol-5-yl)propanoate. Saponification with LiOH in THF/MeOH/H2O followed by acidification with HCl gave 80% free acid, which was stirred with diisopropylethylamine, decahydroisoquinoline, and PyBOP in DMF at 0° to room temperature overnight to give 79% title compound (II). 890044-53-8P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(process for the preparation of oxoquinazolinylpiperidinylcarbamoylethylinda

Page 10

IT

to

zoles)

RN 890044-53-8 CAPLUS

CN 1-Piperidinecarboxamide, N-[(1R)-2-(4-cyclohexyl-1-piperazinyl)-1-[(7-methyl-1H-indazol-5-yl)methyl]-2-oxoethyl]-4-(1,4-dihydro-2-oxo-3(2H)-quinazolinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 7 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:499093 CAPLUS

DN 145:159054

TI Privileged structure based ligands for melanocortin-4 receptors-Aliphatic piperazine derivatives

AU Briner, Karin; Collado, Ivan; Fisher, Matthew J.; Garcia-Paredes, Cristina; Husain, Saba; Kuklish, Steven L.; Mateo, Ana I.; O'Brien, Thomas P.; Ornstein, Paul L.; Zgombick, John; De Frutos, Oscar

CS Lilly Research Laboratories, Lilly Corporate Center, A Division of Eli Lilly and Company, Indianapolis, IN, 46258, USA

SO Bioorganic & Medicinal Chemistry Letters (2006), 16(13), 3449-3453 CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier B.V.

DT Journal

LA English

GΙ

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Analogs of the melanocortin-4 receptor binding (isoquinolinecarbonyl) chlorophenylalaninyl (diethylaminomethyl) benzylpiper azine I such as II are prepared The fluorophenyl group of I is replaced with aliphatic and alicyclic moieties to yield analogs; in addition, the tetrahydroisoquinolinecarbonyl moiety of I is replaced in some cases with a dihydroisoindolylacetyl group. Analogs replacing the fluorophenyl group of I with a cyclohexyl group show consistently high affinities for the

human melanocortin-4 receptor. The diethylamino moiety of I can be replaced with polar groups with decreased basicities such as N-Et acetamides, N-ethylmethanesulfonamides, and succinimides. For example, II binds to the human melanocortin-4 receptor with a Ki value of 2 nM.

IT 569654-52-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of alkyl and cycloalkyl-substituted N- (tetrahydroisoquinolinylcarbonyl) and N-(dihydroisoindoleacetyl) p-chlorophenylalaninyl piperazines and their binding to the human melanocortin-4 receptor)

RN 569654-52-0 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-[(diethylamino)methyl]cyclopentyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 8 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:411919 CAPLUS

DN 144:445363

TI Use of dipyridamole in combination with antithrombotics for treatment and prevention of thromboembolic diseases

IN Eisert, Wolfgang

PA Boehringer Ingelheim International GmbH, Germany; Boehringer Ingelheim Pharma Gmbh & Co. KG

SO PCT Int. Appl., 65 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN. CNT 1

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		PAT	ENT 1	NO.			KIN	D	DATE		7	APPL:	ICAT:	ION 1	NO.	•	D	ATE .	
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Ρ	PI	WO	2006	0457	56		A1		2006	0504	1	NO 2	005-1	EP55	446		2	0051	021
			W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
				CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
				GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	ΚE,	KG,	KM,	KP,	KR,	ΚZ,
				LC,	LK,	LR,	LS,	LT,	LU,	LV,	LY,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,
				NA,	NG,	NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,
				SK,	SL,	SM,	SY,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,
				YU,	ZA,	ZM,	zw												
			RW:	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,	FI,	FR,	GB,	GR,	HU,	ΙĒ,

IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

PRAI EP 2004-25283 A 20041025

AB The invention relates to a method for treating and preventing thromboembolic disorders, comprising administering dipyridamole in combination with an antithrombotic selected from direct thrombin inhibitors, factor Xa inhibitors and combined thrombin/factor Xa inhibitors to a patient, as well as pharmaceutical compns. suitable for this method of treatment and the use of dipyridamole for the manufacture of these pharmaceutical compns.

IT 313489-71-3, LY 517717

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(dipyridamole-antithrombotic agent combination for treatment and prevention of thromboembolic diseases)

RN 313489-71-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:104456 CAPLUS

DN 144:192496

TI Neutralization preparation of the antithrombotic 1-(indole-6-carbonyl-D-phenylglycinyl)-4-(1-methylpiperidin-4-yl)piperazine D-tartrate

IN Bush, Julie Kay

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PAT	ENT	NO.			KIN	D	DATE			APPL	ICAT:	ION 1	NO.		D	ATE	
ΡI	WO 2006011955					A1	_	2006	0202	. 1	WO 2	 005-1	JS20	 490		2	0050	613
		W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KM,	KP,	KR,	ΚZ,
			LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,

NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

.20040630 PRAI US 2004-583599P Р

1-(Indole-6-carbonyl-D-phenylglycinyl)-4-(1-methylpiperidin-4yl)piperazine D-tartrate, a storage-stable salt, prepared by the neutralization of 1-(indole-6-carbonyl-D-phenylglycinyl)-4-(1methylpiperidin-4-yl)piperazine with D-tartaric acid, is claimed for use in pharmaceutical formulations for the treatment of thrombotic disorders. ΙT 874893-43-3P

RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (neutralization preparation of the antithrombotic 1-(indole-6-carbonyl-Dphenylglycinyl)-4-(1-methylpiperidin-4-yl)piperazine D-tartrate)

RN 874893-43-3 CAPLUS 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-CN piperazinyl]-2-oxo-1-phenylethyl]-, (2S,3S)-2,3-dihydroxybutanedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 313489-71-3 C27 H33 N5 O2 CMF

Absolute stereochemistry. Rotation (-).

CM 2

CRN 147-71-7 CMF C4 H6 O6

Absolute stereochemistry.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 10 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
L7
       2005:1152762 CAPLUS
AN
       143:440448
DN
       Preparation of 3-piperidin-4-yl-1,3,4,5-tetrahydro-1,3-benzdiazepin-2-ones
TI
       and related compounds as CGRP antagonists
       Mueller, Stephan Georg; Rudolf, Klaus; Lustenberger, Philipp; Stenkamp,
IN
       Dirk; Arndt, Kirsten; Doods, Henri; Schaenzle, Gerhard
       Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G., Germany
PA
       Ger. Offen., 51 pp.
SO
       CODEN: GWXXBX
DT
       Patent
LА
       German
FAN.CNT 1
                                                                APPLICATION NO.
                                                                                                  DATE
       PATENT NO.
                                    KIND
                                              DATE
                                    ____
                                                                DE 2004-102004018795
                                                                                                  20040415
PΙ
       DE 102004018795
                                     A1
                                              20051027
                                                                                                  20050409
       WO 2005100343
                                     A1
                                              20051027
                                                                WO 2005-EP3741
                  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
                  AE, AG, AL, AM, AI, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
                   ZM, ZW
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2005282857

A1 20051222 US 2005-107195

20050415

PRAI DE 2004-102004018795 A

OS MARPAT 143:440448

US 2004-570005P

GΙ

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

20040511

Ρ

AB Title compds. I [A = substituted Ph, i.e., CF3, NH2, Cl, etc.; X = 0, CH2, NH; R1 = 3,4-dihydro-2(1H)-quinazolinonyl, 1,3,4,5-tetrahydro-2H-benzo-1,3-diazepin-2-onyl; NR2R3 = 1,4'-bipiperidinyl, 1-methyl-4-(4-piperidinyl)piperazinyl, 1-(1-methyl-4-piperidinyl)piperazinyl, etc.] and their pharmaceutically acceptable salts and formulations were prepared For example, coupling of 4-(2-piperidin-1-yl-ethyl)piperidine and acid II

afforded benzdiazepin-2-one III in 64% yield. In human cgrp receptor assays, compds. I exhibited IC50 values \leq 1000 nM.

IT 868383-79-3P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzdiazepin-2-ones and related compds. as CGRP antagonists)

RN 868383-79-3 CAPLUS

CN 1-Piperidinecarboxamide, N-[(1R)-1-[(4-amino-3-chloro-5-methylphenyl)methyl]-2-(4-cyclopropyl-1-piperazinyl)-2-oxoethyl]-4-(1,2,4,5-tetrahydro-2-oxo-3H-1,3-benzodiazepin-3-yl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

- L7 ANSWER 11 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:1144492 CAPLUS
- DN 144:51548
- TI Structure-activity relationship studies on a series of cyclohexylpiperazines bearing a phenylacetamide as ligands of the human melanocortin-4 receptor
- AU Pontillo, Joseph; Tran, Joe A.; White, Nicole S.; Arellano, Melissa; Fleck, Beth A.; Marinkovic, Dragan; Tucci, Fabio C.; Saunders, John; Foster, Alan C.; Chen, Chen
- CS Department of Medicinal Chemistry, Neurocrine Biosciences Inc., San Diego, CA, 92130, USA
- SO Bioorganic & Medicinal Chemistry Letters (2005), 15(23), 5237-5240 CODEN: BMCLE8; ISSN: 0960-894X
- PB Elsevier B.V.
- DT Journal
- LA English
- AB Synthesis and structure-activity relationship studies of a series of cyclohexylpiperazines bearing an amide side chain as ligands of the MC4 receptor are discussed. One compound from this series is a potent pituitary hormone receptor (melanocortin receptor 4) agonist.
- IT 511540-40-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of N-[(chlorophenyl)methyl]oxo[[[(phenylacetyl)amino]methyl]cyc lohexyl]piperazinyl]ethyl amide derivs. and study of their structure-activity relationship and their activity as human melanocortin-4 receptor ligands)

RN 511540-40-2 CAPLUS

CN 3-Quinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 12 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1132894 CAPLUS

DN 143:379858

TI CGRP antagonist in combination with a serotonin reuptake inhibitor for the treatment of migraine or other headache

IN Doods, Henri; Rudolf, Klaus

PA Boehringer Ingelheim International GmbH, Germany

SO U.S. Pat. Appl. Publ., 13 pp. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 1

FAN.	PATENI	NO.			KIN		DATE			APPL	IÇAT	ION .	NO.		D	ATE	
PI .	US 200 DE 102	00401	9736	•	A1 A1		2005	1117		US 2 DE 2	004-	1020	0401	9736	2		420
	DE 102 WO 200									WO 2							
	WO 200									BB,							
	** •	•	•	•		•	•	•	•	DZ,	•	•	•	•	•	•	•
				•	•	•	•	•	•	IS,	•	•	•	•	•		•
		•	•	-	•	•	•	•	•	MD,	•	•	•	•		-	•
							•	-	-	RO,	•	•				-	
		•	•		•	•		•	-	UA,		•	•	•		•	-
		•	zw	,	•	•		•	•	•		•		•	•	•	•
	ŔW	: BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,
										AT,							
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IS,	IT,	LT,	LU,	MC,	NL,	PL,	PT,
		RO,	SE,	SI,	SK,	TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,
		MR,	ΝE,	SN,	TD,	TG											
PRAI	DE 200	1973	6 A		2004	0420											

US 2004-570379P P 20040512 DE 2004-102004063754 A 20041229

The invention discloses a process for the treatment or prevention of headaches, migraine or cluster headache, comprising the joint administration of a therapeutically effective amount of a CGRP-antagonist [e.g. 1-(N2-(3,5-dibromo-N-((4-(3,4-dihydro-2(1H)-oxoquinazolin-3-yl)-1-piperidinyl)carbonyl)-D-tyrosyl)-L-lysyl)-4-(4-pyridinyl)piperazine], or a physiol. acceptable salt thereof, and a therapeutically effective amount of the selective serotonin reuptake inhibitor [e.g. (+)-N-methyl-3-(1-naphthyloxy)-3-(2-thienyl)propanamine], or a physiol. acceptable salt thereof, as well as the corresponding pharmaceutical compns. and the preparation thereof.

IT 204696-63-9

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(CGRP antagonist combination with serotonin reuptake inhibitor for treatment of migraine or other headache)

RN 204696-63-9 CAPLUS.

CN 1-Piperidinecarboxamide, N-[(1R)-1-[(4-amino-3,5-dibromophenyl)methyl]-2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]-4-(2,3-dihydro-2-oxo-4-phenyl-1H-imidazol-1-yl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 13 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:1004565 CAPLUS

DN 143:306304

TI Preparation isoindazoles and related compounds as cgrp antagonists

IN Lustenberger, Philipp; Rudolf, Klaus; Mueller, Stephan Georg; Stenkamp, Dirk; Doods, Henri; Arndt, Kirsten; Schaenzle, Gerhard

PA Boehringer Ingelheim International GmbH, Germany; Boehringer Ingelheim Pharma GmbH & Co. KG

SO PCT Int. Appl., 132 pp. CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

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KIND
     PATENT NO.
                                   DATE
                                                APPLICATION NO.
                                                                         DATE
ΡI
     WO 2005084672
                            A1
                                   20050915
                                                WO 2005-EP2082
                                                                         20050226
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
              CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
              GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
              NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
              SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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              EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT,
              RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
              MR, NE, SN, TD, TG
     DE 102004010254
                            A1
                                   20050922
                                                DE 2004-102004010254
                                                                         20040303.
     DE 102004028751
                                   20060105
                                                DE 2004-102004028751
                                                                         20040615
                            A1
                                               US 2005-73341
     US 2005227968
                            A1
                                   20051013
                                                                         20050303
PRAI DE 2004-102004010254 A
                                   20040303
     DE 2004-102004028751 A
                                   20040615
OS
     MARPAT 143:306304
GI
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- * STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY AVAILABLE VIA OFFLINE PRINT *
- AB Title compds. I [A = N, CH; B = N, CH; D = H, Me; E = H, halo, Me, etc.; X = CH2, NH; R1 = (un)substituted 3-phenyl-2-pyrazolin-5-one, tetrahydro-2H-benzo-1,3-diazepin-2-one with provisos] and their pharmaceutically acceptable salts and formulations were prepared For example, coupling of carboxylic acid II and 1-methyl-4-piperidin-4-ylpiperazine afforded claimed isoindazole III in 34% yield. In cgrp antagonist assays, compds. I exhibited IC50 values equal to or < 10000 nM. IT 864536-61-8P
 - RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
 - (preparation isoindazoles and related compds. as cgrp antagonists medicaments)
- RN 864536-61-8 CAPLUS
- CN 1-Piperidinecarboxamide, N-[1-(1H-indazol-5-ylmethyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-4-(1,2,4,5-tetrahydro-2-oxo-3H-1,3-benzodiazepin-3-yl)- (9CI) (CA INDEX NAME)

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 14 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:921450 CAPLUS

DN 143:405877

TI Potent and orally active non-peptide antagonists of the human melanocortin-4 receptor based on a series of trans-2-disubstituted cyclohexylpiperazines

AU Tucci, Fabio C.; White, Nicole S.; Markison, Stacy; Joppa, Margaret; Tran, Joe A.; Fleck, Beth A.; Madan, Ajay; Dyck, Brian P.; Parker, Jessica; Pontillo, Joseph; Melissa Arellano, L.; Marinkovic, Dragan; Jiang, Wanlong; Chen, Caroline W.; Gogas, Kathleen R.; Goodfellow, Val S.; Saunders, John; Foster, Alan C.; Chen, Chen

CS Department of Medicinal Chemistry, Neurocrine Biosciences Inc., San Diego, CA, 92130, USA

SO Bioorganic & Medicinal Chemistry Letters (2005), 15(19), 4389-4395 CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier B.V.

DT Journal

LA English

The melanocortin-4 receptor (MC4R) plays an important role in the regulation of energy homeostasis. Recent studies have shown that blockade of the MC4R reverses tumor-induced weight loss in mice. Herein, the synthesis and identification of potent and selective non-peptide antagonists of the human MC4R from a series of 2- [(ethoxycarbonyl)cyclohexyl]piperazine derivs. are described. One compds. was found to possess low nanomolar affinity for the MC4R, and exhibit oral bioavailability in rats. More importantly, when administered orally to mice (10 mg/kg), it led to statistically significant increases in food intake over a 24-h period.

IT 866945-03-1P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of trans-substituted (cyclohexyl)piperazine derivs. and study of their activity as orally active non-peptide antagonists of human melanocortin-4 receptor)

RN 866945-03-1 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[4-(D-prolyl-2,4-dichloro-D-phenylalanyl)-1-piperazinyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT 24 ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7
    ANSWER 15 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
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2005:638773 CAPLUS ΑN

143:133401 DN

Preparation of diazaheterocycles as calcitonin gene related peptide TI receptor antagonists

IN Degnan, Andrew P.; Chen, Ling; Civiello, Rita; Dubowchik, Gene M.; Han, Xiaojun; Jiang, Xiang Jun J.; Macor, John E.; Tora, George

PA Bristol-Myers Squibb Company, USA

so PCT Int. Appl., 385 pp. CODEN: PIXXD2

Patent DT

English LΑ FAN. CNT 1

	PATENT NO.				KINI)	DATE		1	APPL	ICAT:	I NO	.00		D	ATE			
PI	WO	2005	0657°	79		A1		2005	0721	1	WO 2	 003-1	JS38	799		20	0031	205	
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BW,	BY,	ΒZ,	CA,	CH,	
			CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,	
			GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	
			LK,	LR,	LS,	LT,	LU,	LV,	.MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	
			NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	TJ,	
			TM,	TN,	ŤR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	zw		
•		RW:	BW,	GH,	GM,	ΚE,	LS,	MW,	ΜZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	
			BY,	KG,	ΚZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	
			ES,	FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	
			TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG
	CA	2549	330			AA		2005	0721	•	CA 2	003-2	2549:	330		20	0031	205	
	ΑU	2003	2976	94		A1		2005	0812		AU 20	003-2	2976	94		20	0031	205	
	EP 1689493				A1		2006	0816		EP 20	003-	8192	70		20	0031	205		
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,	
			IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK		
	IE, SI, LT NO 2006002648					Α		2006	0802	1	NO 20	006-2	2648			2	0060	608	

PRAI EP 2003-819270 A 20031205 WO 2003-US38799 W 20031205

OS MARPAT 143:133401

GΙ

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Diazaheterocycles I [m, n = 0-2; V = (un)substituted NH2, OH; Q = (un)substituted alkyl, NH2, NHCO2H, NHCONH2; U = CH2, NH; D = 0, NCN, alkylsulfonylimino; A = C, N, CH; E = (un)substituted heterocyclic; with provisos] were prepared for use as antagonists of calcitonin gene-related peptide receptors for treatment of neurogenic vasodilation, neurogenic inflammation, migraine and other headaches, thermal injury, circulatory shock, flushing associated with menopause, airway inflammatory diseases, such as asthma and chronic obstructive pulmonary disease (COPD). E.g., a multi-step synthesis of II which had IC50 for calcitonin gene related peptide receptor binding of ≤ 10 nM, was given. The pharmaceutical composition comprising the compound I is claimed.

IT 635710-46-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of diazaheterocycles as calcitonin gene related peptide receptor antagonists)

RN 635710-46-2 CAPLUS

CN 1-Piperidinecarboxamide, 4-(1,4-dihydro-2-oxo-3(2H)-quinazolinyl)-N-[1-[(7-methyl-1H-indazol-5-yl)methyl]-2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 16 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2005:122798 CAPLUS

DN 142:212404

TI Use of CGRP antagonists or CGRP release inhibitor in treatment and prevention of hot flushes in prostate cancer patients

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PA
     Boehringer Ingelheim International GmbH, Germany
     U.S. Pat. Appl. Publ., 17 pp., which
SO
     CODEN: USXXCO
DT
     Patent
LΑ
     English
FAN.CNT 1
                         KIND
                                             APPLICATION NO.
     PATENT NO.
                                 DATE
                                                                     DATE .
                                             ______
     _____
     US 2005032783
                                 20050210
                                             US 2004-881892
                          A1
                                                                     20040630
PΙ
     CA 2531407
                          AA
                                 20050120
                                             CA 2004-2531407
                                                                     20040702
     WO 2005004869
                          A1
                                 20050120
                                             WO 2004-EP7228
                                                                     20040702
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
             AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
             EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
             SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
             SN, TD, TG
                                             EP 2004-763078
                                                                     20040702
     EP 1648466
                          A1
                                 20060426
             AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
PRAI EP 2003-15335
                          Α
                                 20030707
     US 2003-491576P
                          Ρ
                                 20030731
     EP 2003-21802
                          Α
                                 20030926
     US 2003-515817P
                          Ρ
                                 20031030
     WO 2004-EP7228
                          W
                                 20040702
AΒ
     The invention relates to a method of treatment or prevention of hot
     flushes in men who underwent castration, e.g. due to androgen ablation
     treatment in prostate cancer therapy, comprising administration of an
     effective amount of a CGRP antagonist and/or of a CGRP release inhibitor to
     the patient, and to the use of said active compds. for the manufacture of a
     pharmaceutical composition intended to be used in this method.
     204696-61-7
IT
     RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL
     (Biological study); USES (Uses)
        (use of CGRP antagonists in treatment and prevention of hot flushes in
        prostate cancer patients)
RN
     204696-61-7 CAPLUS
CN
     1-Piperidinecarboxamide, N-[(1R)-1-[(4-amino-3,5-dibromophenyl)methyl]-2-
     [4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-4-(2,3-dihydro-2-
     oxo-4-phenyl-1H-imidazol-1-yl)- (9CI) (CA INDEX NAME)
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Absolute stereochemistry.

- L7 ANSWER 17 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2005:52976 CAPLUS
- DN 142:211428
- TI Proteochemometric mapping of the interaction of organic compounds with melanocortin receptor subtypes
- AU Lapinsh, Maris; Veiksina, Santa; Uhlen, Staffan; Petrovska, Ramona; Mutule, Ilze; Mutulis, Felikss; Yahorava, Sviatlana; Prusis, Peteris; Wikberg, Jarl E. S.
- CS Department of Pharmaceutical Biosciences, Uppsala University, Uppsala, Swed.
- SO Molecular Pharmacology (2005), 67(1), 50-59 CODEN: MOPMA3; ISSN: 0026-895X
- PB American Society for Pharmacology and Experimental Therapeutics
- DT Journal
- LA English
- Proteochemometrics was applied in the anal. of the binding of organic compds. to wild-type and chimeric melanocortin receptors. Thirteen chimeric melanocortin receptors were designed based on statistical mol. design; each chimera contained parts from three of the MC1,3-5 receptors. The binding affinities of 18 compds. were determined for these chimeric melanocortin receptors and the four wild-type melanocortin receptors. data for 14 of these compds. were correlated to the physicochem. and structural descriptors of compds.; binary descriptors of receptor sequences, and cross-terms derived from ligand and receptor descriptors to obtain a proteochemometric model (correlation was performed using partial least-squares projections to latent structures; PLS). A well fitted math. model (R2 = 0.92) with high predictive ability (Q2 = 0.79) was obtained. In a further validation of the model, the predictive ability for ligands (Q2lig = 0.68) and receptors (Q2rec = 0.76) was estimated The model was moreover validated by external prediction by using the data for the four addnl. compds. that had not at all been included in the proteochemometric model; the anal. yielded a Q2ext = 0.73. An interpretation of the results using PLS coeffs. revealed the influence of particular properties of organic compds. on their affinity to melanocortin receptors. Three-dimensional models of melanocortin receptors were also created, and physicochem. properties of the amino acids inside the receptors' transmembrane cavity

were correlated to the PLS modeling results. The importance of particular amino acids for selective binding of organic compds. was estimated and used to outline the ligand recognition site in the melanocortin receptors.

IT 766550-07-6

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(proteochemometric mapping of interaction of organic compds. with melanocortin receptor subtypes)

RN 766550-07-6 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-(4-cyclohexyl-1-piperazinyl)-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 18 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1037102 CAPLUS

DN 142:23513

TI Preparation of pyrrolopyridine-2-carboxylic acid amide as inhibitors of glycogen phosphorylase

IN Bradley, Stuart Edward; Krulle, Thomas Martin; Murray, Peter John;
Procter, Martin James; Rowley, Robert John; Sambrook Smith, Colin Peter;
Thomas, Gerard Hugh

PA Osi Pharmaceuticals, Inc., USA; Schofield, Karen Lesley

SO PCT Int. Appl., 188 pp. CODEN: PIXXD2

DT Patent

LA English

FAN. CNT 1

L'AM.	CNT I						-										
	PATENT	NO.			KIN	D	DATE		1	APPL	ICAT	ION	NO.		D	ATE	
						_			•								
PI	WO 2004	1040	01		A2		2004	1202	1	WO 2	004-1	US16	243		20	0040	520
	WO 2004	1040	01		A3		2005	0303									
	W:	ΑE,	AG,	AL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,	CH,
		CN,	co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,	GB,	GD,
		GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,
		LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NA,	NI,
		NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,
		TJ,	TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW
	RW:	BW,	GH,	GM,	KE,	LS,	MW,	MZ,	NA,	SD,	SL,	SZ,	TZ,	ŪĠ,	ZM,	ZW,	AM,
		ΑZ,	BY,	KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,
		EE,	ES,	FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PL,	PT,	RO,	SE,

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG AU 2004240946 **A1** 20041202 AU 2004-240946 20040520 CA 2525502 AA 20041202 CA 2004-2525502 20040520 US 2005261272 **A1** 20051124 US 2004-851902 20040520 EP 1636224 **A2** 20060322 EP 2004-753127 20040520 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR BR 2004010445 20040520 Α 20060530 BR 2004-10445 CN 1826340 20060830 CN 2004-80021117 20040520 Α NO 2005005305 NO 2005-5305 20051110 Α 20051215 PRAI US 2003-472375P P 20030521 US 2004-551256P P 20040308 WO 2004-US16243 W 20040520 MARPAT 142:23513 os GI

$$\begin{array}{c|c}
R1 \\
X2 \\
X3 \\
X4 \\
N \\
H
\end{array}$$

$$\begin{array}{c}
H \\
N \\
R2
\end{array}$$

Ι

AB Heterocyclyl acyl amino acid derivs. I [one of X1-X4 is N and the others are C; R1, R1' are each independently halo, hydroxy, cyano, alkyl, alkoxy, fluoromethyl, ethenyl or ethynyl; R2 is alkyl or substituted alkyl, carboxy ester or acyl; Y is alkyl or CH(OH); Z is CH2, CO, O, (cyclo)alkylamino or absent, but when Y is CH(OH), Z or R3 must be bonded to Y through a carbon-carbon bond; R3 is H, carbalkoxy, alkoxy, alkyl, arylalkyl, alkylamino, etc.] or their stereoisomers or pharmaceutically-acceptable salts were prepared as inhibitors of glycogen phosphorylase and are useful in the prophylactic or therapeutic treatment of diabetes, hyperglycemia, hypercholesterolemia, hyperinsulinemia, hyperlipidemia, hypertension, atherosclerosis, etc. Thus, pyrrolo[3,2-b]pyridine-2-carboxylic acid L-phenylalaninamide derivative II was prepared via peptide coupling reaction and showed IC50 < 1 mM in the glycogen phosphorylase assay in vitro.

IT 800400-14-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of pyrrolopyridinecarboxylic acid amide as inhibitors of

glycogen phosphorylase)

RN 800400-14-0 CAPLUS

CN 1H-Pyrrolo[2,3-c]pyridine-2-carboxamide, 5-chloro-N-[(1S)-1-[(4-fluorophenyl)methyl]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 19 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:857166 CAPLUS

DN 141:332218

TI Preparation of diazaheterocycles as calcitonin gene related peptide receptor antagonists

IN Chaturvedula, Prasad V.; Chen, Ling; Civiello, Rita; Conway, Charles Mark; Degnan, Andrew P.; Dubowchik, Gene M.; Han, Xiaojun; Jiang, Xiang Jun; Karageorge, George N.; Luo, Guanglin; Macor, John E.; Poindexter, Graham; Tora, George; Vig, Shikha

PA USA

SO U.S. Pat. Appl. Publ., 203 pp., Cont.-in-part of U.S. Ser. No. 445,523. CODEN: USXXCO

DT Patent

LA English

FAN.CNT 2

L MIN .	CNIZ				
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
					·
ΡI	US 2004204397	A1	20041014	US 2003-729155	20031205
	US 2004063735	A1	20040401	US 2003-445523	20030527
PRAI	US 2002-386138P	P	20020605		
	US 2002-388617P	P	20020613	•	
	US 2002-389870P	P	20020619		
	US 2002-393200P	P	20020701		
	US 2002-413534P	P	20020925		
	US 2003-445523	A2	20030527		
os	MARPAT 141:332218				•
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Diazaheterocycles I [m, n = 0-2; V = (un) substituted NH2, OH; Q = AΒ (un) substituted alkyl, NH2, NHCO2H, NHCONH2; U = CH2, NH; D = O, NCN, alkylsulfonylimino; A = C, N, CH; E = (un)substituted heterocyclic; with provisos] were prepared for use as antagonists of calcitonin gene-related peptide receptors for treatment of neurogenic vasodilation, neurogenic inflammation, migraine and other headaches, thermal injury, circulatory shock, flushing associated with menopause, airway inflammatory diseases, such as asthma and chronic obstructive pulmonary disease (COPD). Thus, the indazole II was prepared from 1H-indazole-5-carboxaldehyde and had IC50 for calcitonin gene related peptide receptor binding of ≤ 10 nM. The pharmaceutical composition comprising the compound I is claimed.

IT. 635710-46-2P

> RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of diazaheterocycles as calcitonin gene related peptide receptor antagonists)

RN 635710-46-2 CAPLUS

1-Piperidinecarboxamide, 4-(1,4-dihydro-2-oxo-3(2H)-quinazolinyl)-N-[1-[(7-CN methyl-1H-indazol-5-yl) methyl]-2-oxo-2-[4-(4-pyridinyl)-1piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

L7 ANSWER 20 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:760389 CAPLUS

DN 142:355534

TI Synthesis of a carbon-14 labeled 1-(indole-6-carbonyl-D-phenylglycinyl)-4-(1-methylpiperidin-4-yl)piperazine-[carbonyl-14C], LY517717-[14C], a factor Xa inhibitor

AU Kuo, Fengjiun; Clodfelter, Dean K.; Priest, Tamara R.; Kau, Donald L. K.

CS Lilly Research Laboratories, A Division of Eli Lilly and Company, Lilly Corporate Center, Indianapolis, IN, 46285, USA

SO Journal of Labelled Compounds & Radiopharmaceuticals (2004), 47(9), 599-608

CODEN: JLCRD4; ISSN: 0362-4803

PB John Wiley & Sons Ltd.

DT Journal

LA English

OS CASREACT 142:355534

GI

AB Human Factor Xa is a trypsin-like serine protease, which serves a critical role in blood coagulation events. LY 517717 is currently under clin. investigation as a Factor Xa inhibitor. To support the ADME studies, LY 517717-[carboxy-14C] (I) was synthesized using D-phenylglycine with a carbon-14 labeled carboxyl moiety. This key component, D-phenylglycine-[carboxyl-14C], was synthesized by a Strecker synthesis on benzaldehyde with potassium [14C]cyanide, followed by a resolution of DL-phenyl-glycine Me ester-[carbonyl-14C] with (+)-tartaric acid in the presence of benzaldehyde.

IT 313489-71-3DP, LY 517717, derivs.

RL: SPN (Synthetic preparation); PREP (Preparation)
(asym. synthesis of LY 517717-[carbonyl-14C], a factor Xa inhibitor)
RN 313489-71-3 CAPLUS
CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 21 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:617800 CAPLUS

DN 141:314297

TI New Substituted Piperazines as Ligands for Melanocortin Receptors. Correlation to the X-ray Structure of "THIQ"

AU Mutulis, Felikss; Yahorava, Sviatlana; Mutule, Ilze; Yahorau, Aleh; Liepinsh, Edvards; Kopantshuk, Sergei; Veiksina, Santa; Tars, Kaspars; Belyakov, Sergey; Mishnev, Anatoly; Rinken, Ago; Wikberg, Jarl E. S.

CS Department of Pharmaceutical Biosciences, Division of Pharmacology, Uppsala University, Uppsala, SE-751 24, Swed.

SO Journal of Medicinal Chemistry (2004), 47(18), 4613-4626 CODEN: JMCMAR; ISSN: 0022-2623

PB American Chemical Society

DT Journal

LA English

OS CASREACT 141:314297

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A series of piperazine analogs of the melanocortin 4 receptor (MC4R) AΒ specific small-mol. agonist THIQ was synthesized and characterized structurally and pharmacol. First, several THIQ imitations lacking the triazole moiety were prepared Syntheses included acylation of 4-phenylpiperazine or 4-cyclohexylpiperazine. In two cases the tertiary amine function was replaced by the N-oxide. To obtain more complex structures, a 4-substituted piperazine ring was formed by alkylation of the primary amino group of cyclohexane-derived amino alcs. with N,N-bis(2-chloroethyl)benzylamine. The hydroxylic group of the intermediate was first activated with methanesulfonyl chloride, and the sulfonic ester formed in situ was introduced into the reaction with the sodium salt of 1,2,4-triazole. In one case (i.e., preparation of I) introduction of the 1,2,4-triazole moiety was performed at a carbon of the cyclohexane ring. In addition, this intermediate contained a piperazine moiety connected via its nitrogen atom to a cyclohexane ring carbon neighboring the reaction center. As established in NMR and X-ray investigations, this substitution proceeded with retention of the initial trans configuration of 1,2-disubstituted cyclohexane. To obtain pure enantiomers of I, its precursor was subjected to chiral chromatog. on a Chirobiotic V column. The separated derivs. were introduced into further synthesis steps, giving (R,R)-I and (S,S)-I, resp. Melanocortin MC1,3-5 receptor binding studies showed that all tested piperazine derivs. were active. Several compds. showed clear selectivity for MC4R, with submicromolar affinities being obtained. (R,R)-I, displayed a biphasic curve in displacement of [1251]NDP-MSH on MC4R [K(i)high = 1 nM and K(i)low = 260 nM]. This biphasic competition curve was similarly biphasic to the competition curve obtained using THIQ. An X-ray study performed on crystals of THIQ sulfate revealed two closely related conformations, which resemble the shape of the letter Y, where piperidine and 4-chlorophenyl groups are situated close to each other, but the 1,2,3,4tetrahydroisoquinoline residue is remote, the triazole function being highly exposed to the environment. The crystals of the dinitrate salt of (R,R)-I showed a different conformation, where parts of the mol. are spread out almost sym. around the central section. Mol. modeling, based

Ι

on the THIQ crystal structure and the functional similarity of THIQ and (R,R)-I, led to a possible bioactive conformation of (R,R)-I that is similar to the crystal conformation of THIQ.

IT 766550-50-9P

RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of new substituted piperazines related to THIQ as ligands for melanocortin receptors)

RN 766550-50-9 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[(1R,2R)-2-(1H-1,2,4-triazol-1-yl)cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)-, bis(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 766550-49-6 CMF C31 H38 C1 N7 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RE.CNT 51 THERE ARE 51 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 22 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:587914 CAPLUS

DN 141:140319

TI Preparation of amino acid dipiperidides as CGRP antagonists

IN Bauer, Eckhart; Gerlach, Kai; Hurnaus, Rudolf; Mueller, Stephan; Rudolf, Klaus; Schindler, Marcus; Stenkamp, Dirk

PA Boehringer Ingelheim Pharma GmbH & Co. KG, Germany

SO Ger. Offen., 98 pp.

CODEN: GWXXBX DΤ Patent LА German FAN.CNT 1 PATENT NO. KIND DATE APPLICATION NO. DATE ΡI DE 10300973 20040722 DE 2003-10300973 20030114 A1 AU 2004-203916 AU 2004203916 A1 20040729 20040109 CA 2513132 AA 20040729 CA 2004-2513132 20040109 **A**1 WO 2004063171 20040729 WO 2004-EP87 20040109 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA EP 2004-700987 EP 1587795 ·A1 20051026 20040109 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK BR 2004006762 20051220 BR 2004-6762 Α CN 1738805 Α 20060222 CN 2004-80002209 20040109 JP 2006515875 20060608 JP 2006-500537 Т2 20040109 US 2004-755593 US 2004192729 **A1** 20040930 20040112 NO 2005003794 20050810 NO 2005-3794 20050810 Α PRAI DE 2003-10300973 Α 20030114 US 2003-443492P Ρ 20030129 WO 2004-EP87 W 20040109 os MARPAT 141:140319 GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

- AB Title compds. I [R = (un) substituted diaza-, triaza-, S,S-dioxidothiadiaza-heterocycle; Ar = (un) substituted aryl, heteroaryl; Y = CH2, NH; Y1 = (un) substituted CH, N; R1 = (un) substituted N heterocycle; R2, R3 = H, carboxylic ester] were prepared for use as CGRP antagonists in the production and purification of antibodies and as marked compds. in RIA and ELISA assays and as diagnostic or analytic additives in neurotransmitter research (no data). Thus, the piperidide II was prepared from the amino acid and piperidine fragments in a multi-step synthesis.
- TT 726183-11-5P
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of amino acid dipiperidides as CGRP antagonists)
- RN 726183-11-5 CAPLUS
 CN Cyclohexanecarboxylic acid, 4-[4-[(2R)-3-(3,5-dibromo-4-hydroxyphenyl)-2[[[4-(1,4-dihydro-2-oxo-3(2H)-quinazolinyl)-1-piperidinyl]carbonyl]amino]-

1-oxopropyl]-1-piperazinyl]-, ethyl ester, cis- (9CI) (CA INDEX NAME)

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ANSWER 23 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
L7
AN
     2004:565229 CAPLUS
DN
     141:123656
    A preparation of piperazine derivatives, useful as ligands of melanocortin
TI
     Chen, Chen; Tucci, Fabio C.; Tran, Joe Anh; Chen, Wei-chuan; White, Nicole
IN
    Neurocrine Biosciences, Inc., USA
PA
SO
     PCT Int. Appl., 79 pp.
     CODEN: PIXXD2
DT
     Patent
     English .
LΑ
FAN.CNT 1
     PATENT NO.
                         KIND
                                DATE
                                            APPLICATION NO.
                                                                    DATE
     WO 2004058735
                                200407.15
                         A2
                                            WO 2003-US40931
                                                                    20031219
ΡI
         W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
             GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
             LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
             OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
             TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ,
             BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE,
             ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
             TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD,
     AU 2003297467
                          A1
                                20040722
                                           AU 2003-297467
                                                                   20031219
                                20040930
                                            US 2003-742592
                                                                    20031219
     US 2004192676
                          A1
PRAI US 2002-435922P
                          Ρ
                                20021220
     WO 2003-US40931
                          W
                                20031219
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OS GI MARPAT 141:123656

^{*} STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

The invention relates to a preparation of piperazine derivs. of formula I [wherein: A and B independently are (CH2)0-2; C is (CH2)1-2; X is a direct bond or O, S, S(O), or SO2; Y is (un)substituted -alkyl-(hetero)aryl; R1, R2, and R3 are independently selected from H or alkyl, or R1 and R2 taken together are oxo; R4 is (R6)0-2; R5 is (un)substituted alkyl; R6 is, at each occurrence, independently (un)substituted alkyl, OH, or halogen], useful as melanocortin receptor ligands and having utility in the treatment of melanocortin receptor-based disorders (no biol. data). For instance, compound II was prepared via reduction of the obtained intermediate

III

(R = CO2Et), amidation of phenylalanine derivative IV by the obtained amine III (R = CH2OH), and esterification of iPrC(0)Cl by the obtained alc. V (example 2).

IT 723311-62-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of piperazine derivs., useful as ligands (antagonists or agonists) of melanocortin receptors)

RN 723311-62-4 CAPLUS

CN Cyclohexanecarboxylic acid, 2-[4-[(2R)-3-(2,4-dichlorophenyl)-1-oxo-2-[(4-pyridinylcarbonyl)amino]propyl]-1-piperazinyl]-, ethyl ester, (1R,2R)-rel-(9CI) (CA INDEX NAME)

Relative stereochemistry.

- L7 ANSWER 24 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2004:370923 CAPLUS
- DN 140:391302
- TI Preparation of benzo-1,3-diazepin-2-ones and related compounds as CGRP receptor antagonists for the treatment of migraine headaches
- IN Rudolf, Klaus; Mueller, Stephan Georg; Stenkamp, Dirk; Lustenberger, Philipp; Dreyer, Alexander; Bauer, Eckhart; Schindler, Marcus; Arndt, Kirsten; Doods, Henri
- PA Boehringer Ingelheim, Germany
- SO PCT Int. Appl., 254 pp. CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

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WO 2004037811
ΡI
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                                                WO 2003-EP11763
                                                                          20031023
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     WO 2004037811
                                   20050519
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              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
              OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
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              FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
              BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
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     DE 10250082
                            A1
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     US 2004132716
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     AU 2003276157
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                                                EP 2003-809318
     EP 1558601 ·
                            A1
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                                                BR 2003-15642
     BR 2003015642
                            Α
                                   20050830
                                                                          20031023
                                   20051214
                                                 CN 2003-80101980
     CN 1708492
                            Α
                                                                          20031023
                                                 JP 2004-545964
     JP 2006505573
                            Т2
                                   20060216
                                                                          20031023
                                   20050919
                                                 ZA 2005-2247
     ZA 2005002247
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PRAI DE 2002-10250082
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                            Α
     US 2002-426167P
                           ·P
                                   20021114
     WO 2003-EP11763
                            W
                                   20031023
os
     MARPAT 140:391302
GΙ
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* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. I [A = O, S, phenylsulfonylimino, etc.; X = O, S, substituted imino, etc.; Y, Z = alkyl, difluoromethyl, trifluoromethyl, etc.; R1 = 5-7 membered aza, diaza, triaza, etc. heterocycle; R2 = H, phenylmethyl, alkyl, etc.; R3 = H, Ph, pyridinyl, etc.] and their pharmaceutically acceptable salts and formulations were prepared For example, benzo-1,3-diazepin-2-one II was prepared from 1-(3,4-diethylphenyl)ethanone in 8-steps. In human CGRP receptor binding affinity assays, compds. I exhibited IC50 values < 10000 nM. Compds. I are claimed useful for the treatment of migraine headaches.

IT 686297-05-2P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of benzo-1,3-diazepin-2-ones and related compds. as CGRP receptor antagonists for the treatment of migraine headaches)

RN 686297-05-2 CAPLUS

CN 1-Piperidinecarboxamide, N-[(1R)-2-oxo-2-[4-[1-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]-1-[(5,6,7,8-tetrahydro-2-naphthalenyl)methyl]ethyl]-4-(1,2,4,5-tetrahydro-2-oxo-3H-1,3-benzodiazepin-3-yl)- (9CI) (CA INDEX NAME)

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 25 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:370922 CAPLUS

DN 140:391301

TI Preparation of benzo-1,3-diazepin-2-ones and related compounds as CGRP receptor antagonists for the treatment of migraine headaches

IN Rudolf, Klaus; Mueller, Stephan Georg; Stenkamp, Dirk; Lustenberger, Philipp; Dreyer, Alexander; Bauer, Eckhart; Schindler, Marcus; Kirsten, Arndt; Doods, Henri

PA Boehringer Ingelheim Pharma G.m.b.H. & Co. K.-G., Germany

SO PCT Int. Appl., 315 pp. CODEN: PIXXD2

DT Patent

LA German

FAN. CNT 1

FAN.	PATENT	NO.	,		KIN)	DATE		,	APPL	ICAT:	ION 1	NO.		D	ATE	
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	•	-					DK,										
		GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,
		LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ,
		OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	SY,	ТJ,	TM,
		TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW		
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		KG,	KZ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
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	US 2006	507950			A1		2006	0413	1	US 2	003-	6872	62 ·		2	0031	016
	CA 2503	3455			AA		2004	0506	1	CA 2	003-	2503	455		2	0031	023
	AU 2003	327615	6		A1		2004	0513		AU 2	003-	2761.	56		2	0031	023
	EP 1558	3600			A1		2005	0803		EP 2	003-	8093	17		2	0031	023
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
		IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK	

	0031023 0031023
	0031023
CN 1708493 A 20051214 CN 2003-80102004 20	0001020
JP 2006516244 T2 20060629 JP 2004-545963 20	0031023
NO 2005002496 A 20050624 NO 2005-2496 20	0050524
PRAI DE 2002-10250080 A 20021025	
US 2002-426168P P 20021114	
WO 2003-EP11762 W 20031023	
OS MARPAT 140:391301	
GI	

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AΒ Title compds. I [A = O, S, phenylsulfonylimino, etc.; X = O, S,substituted imino, etc.; U = alkyl, alkenyl, alkynyl, etc.; V = Cl, Br, amino, etc.; W = H, halo, difluoromethyl, etc.; R1 = 5-7 membered aza, diaza, triaza, etc. heterocycle; R2 = H, phenylmethyl, alkyl, etc.; R3 = H, Ph, pyridinyl, etc.] and their pharmaceutically acceptable salts and formulations were prepared For example, benzo-1,3-diazepin-2-one II was prepared from 4-amino-3-chloro-5-trifluoromethylbenzoic acid in 9-steps. human CGRP receptor binding affinity assays, compds. I exhibited IC50 values < 10000 nM. Compds. I are claimed useful for the treatment of migraine headaches. IT

688018-22-6P

CN

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of benzo-1,3-diazepin-2-ones and related compds. as CGRP receptor antagonists for the treatment of migraine headaches)

RN 688018-22-6 CAPLUS

> 1-Piperidinecarboxamide, N-[(1R)-1-[[4-amino-3-chloro-5-(trifluoromethyl)phenyl]methyl]-2-oxo-2-[4-(4-pyridinyl)-1piperazinyl]ethyl]-4-(1,2,4,5-tetrahydro-2-oxo-3H-1,3-benzodiazepin-3-yl)-(9CI) (CA INDEX NAME)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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ANSWER 26 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
L7
     2004:2675 CAPLUS
AN
DN
     140:65199
     Preparations for the intranasal application of selected CGRP antagonists
ΤI
     derived from amino acids and a method for their production
IN
     Kruss, Bernd; Gaiser, Marc A.; Busch, Ulrich; Jost, Klaus
PΑ
     Boehringer Ingelheim Pharma Gmbh & Co. Kg, Germany
     PCT Int. Appl., 45 pp.
SO
     CODEN: PIXXD2
DΤ
     Patent
LΑ
     German
FAN.CNT 1
     PATENT NO.
                         KIND DATE
                                            APPLICATION NO.
                                                                    DATE
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     WO 2004000289
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PΙ
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                                20040325
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             CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
             GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
             LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
             PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
             TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
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             FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
             BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
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     EP 1517674
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     JP 2005530830
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                                20051013
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                                             US 2006-419218
     US 2006193786
                          A1
                                                                    20060519
PRAI DE 2002-10227294
                                20020619
                          Α
     US 2002-395184P
                          Р
                                20020711
                          W
     WO 2003-EP6156
                                20030612
     US 2003-463063
                          A1
                                20030617
     The invention relates to pharmaceutical compns. for nasal application,
ΑB
     comprising selected CGRP antagonists, which are described in WO 98/11128,
     in addition to a method for their production Thus an aqueous solution with 10
     and 1.75 mol-equivalent HCl contained: BIBN 4096 10 mg; 1N HCl 20.45 mg;
     mannitol 6 mg; water to 0.1 mL.
IT
     204696-61-7
     RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
        (prepns. for intranasal application of selected CGRP antagonists
        derived from amino acids and production method)
     204696-61-7 CAPLUS
RN
     1-Piperidinecarboxamide, N-[(1R)-1-[(4-amino-3,5-dibromophenyl)methyl]-2-
CN
     [4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-4-(2,3-dihydro-2-
     oxo-4-phenyl-1H-imidazol-1-yl)- (9CI) (CA INDEX NAME)
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L7 ANSWER 27 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:991516 CAPLUS

DN 140:42208

TI Preparation of diazaheterocycles as calcitonin gene related peptide receptor antagonists

IN Chaturvedula, Prasad V.; Chen, Ling; Civiello, Rita; Conway, Charles Mark; Degnan, Andrew P.; Dubowchik, Gene M.; Han, Xiaojun; Karageorge, George N.; Luo, Guanglin; Macor, John E.; Poindexter, Graham; Vig, Shikha

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 309 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 2

LAN.	PATE	ENT N	ю.			KINI	D .	DATE				ICAT:				D2	ATE	
ΡI	WO 2	20031	0423	36		A1		2003	1218							20	0030	527
												BG,						
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ,	OM,
			PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	TJ,	TM,	TN,	TR,	TT,
	TZ, UA, UC RW: GH, GM, KI			ŪG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW.						
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	ŪG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
												NL,						
												GW,						
		24879				AA						003-						
		20032																
	BR 2	20030																
	EP 1	15397	66			A1		2005	0615		EP 2	003-	7367	21		2	0030	527
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			•			•	•	•	•		•	TR,		-		-		
	CN 1671711																	
	JP 2	20055	3895	59		Т2		2005	1222		JP 2	004-	5113	06		2	0030	527
	NZ 5	53731	.5			Α		2006	0428	1	NZ 2	003-	5373	15 .		2	0030	527

	NO 2004005219	Α	20050228	NO 2004-5219	20041129
PRA	AI US 2002-386138P	P	20020605		
	US 2002-388617P	P	20020613		
	US 2002-389870P	P	20020619		•
	US 2002-393200P	P	20020701		•
	US 2002-413534P	P	20020925		
	WO 2003-US16576	W	20030527		
os	MARPAT 140:42208				
GI				•	

Diazaheterocycles I [m, n = 0-2; m ≠ n = 2; V = (un)substituted NH2, OH; Q = (un)substituted alkyl, NH2, NHCO2H, NHCONH2; U = CH2, NH; D = 0, NCN, alkylsulfonylimino; A = C, N, CH; E = (un)substituted heterocyclic] were prepared for use as antagonists of calcitonin gene-related peptide receptors for treatment of neurogenic vasodilation, neurogenic inflammation, migraine and other headaches, thermal injury, circulatory shock, flushing associated with menopause, airway inflammatory diseases, such as asthma and chronic obstructive pulmonary disease (COPD). Thus, the indazole II was prepared from 1H-indazole-5-carboxaldehyde and had IC50 for calcitonin gene related peptide receptor binding of ≤ 10 nM.

IT 635710-46-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of diazaheterocycles as calcitonin gene related peptide receptor antagonists)

RN 635710-46-2 CAPLUS

CN 1-Piperidinecarboxamide, 4-(1,4-dihydro-2-oxo-3(2H)-quinazolinyl)-N-[1-[(7-methyl-1H-indazol-5-yl)methyl]-2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 28 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

2003:913002 CAPLUS AN

DN 139:395952

Substituted piperazine derivatives as melanocortin receptor ligands, and TI their preparation, pharmaceutical compositions, and use

Pontillo, Joseph; Marinkovic, Dragan; Lanier, Marion C.; Tran Joe Ahn; IN Arellano, Melissa; Parker, Jessica; Nelson, Jodie; Chen, Chen; Chen, Caroline; Jiang, Wanglong; White, Nicole; Tucci, Fabio C.

Neurocrine Biosciences, Inc., USA PA

SO PCT Int. Appl., 153 pp. CODEN: PIXXD2

 DT Patent

LΑ English

FAN.	$\mathtt{CNT}\ 1$										•						
	PATENT	NO.			KIN	D :	DATE				ICAT:				D2	ATE	
PI	WO 200	30949	18		A1		2003	1120	1	WO 2	003-1	JS14	628		20	0030	509
	W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,
		co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
		GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	KZ,	LC,	LK,	LR,
		LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NI,	NO,	NZ,	OM,
		PH,	PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,
		TZ,	UA,	ŪĠ,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW					
	RW	: GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	AZ,	BY,
		KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
		FI,	FR,	GB,	GR,	HU,	IE,	IT,	LU,	MC,	NL,	PT,	RO,	SE,	SI,	SK,	TR,
			ВJ,														
,	AU 200																
	CA 248				AA					CA 2							
	US 200	40539	33	•	A1		2004	0318		US 2	003-	4348	03		2	0030	509
•	EP 150																
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
	•	IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK	
	JP 200	55346	32	-	T2		2005	1117		JP 2	004-	5030	03		2	0030	509
PRAI	US 200	2-379	517P		P		2002	0510				,					
	US 200	2-422	272P		P		2002	1029									
	WO 200	3-US1	4628		·W		2003	0509									
os	MARPAT																
GI																	

Compds. are disclosed, which function as melanocortin receptor ligands (no AB data), and which have utility in the treatment of melanocortin receptor-based disorders. The compds. have structure I [q = 1 or 2; p = 1-3; W, Q, Y, Z = CH or N, provided that \leq 2 are N, and that when 2 are N, then the N atoms are not adjacent; Ar = (un)substituted Ph or naphthyl; X = bond, O, S, N(R6a), N(R6a)C(O), N(R6a)S(O)2, N(R6a)C(O)N(R6b), C(O)O, OC(O), N(R6a)C(O)N(R6b)O, N(R6a)C(O)N(R6b)N(R6c), or N(R6a)C(0)O; R1, R2, R3a, R3b = H, (un)substituted alkyl, aryl, arylalkyl, heterocyclyl, or heterocyclylalkyl; R4a and R4b = optional ring substituents selected from OH, (un) substituted alkyl, cyano, halo, alkoxy, or alkylamino; R5 = H, (un) substituted alkyl, aryl, or heterocyclyl; R6a, R6b, R6c = H, (un) substituted alkyl; R7a, R7b = optional ring substituents selected from H and (un) substituted alkyl; provided that when p = 1 then R1, R2, R3a, and R3b cannot all be H; including stereoisomers, prodrugs, and pharmaceutically acceptable salts]. Pharmaceutical compns. containing I, as well as methods relating to their use, are also disclosed. Approx. 450 examples of compds. I and salts were prepared, as well as various intermediates. For instance, 1-Cbz-piperazine was N-arylated with 2-fluorobenzaldehyde (53%), followed by reductive amination of the aldehyde with 2-thiopheneethanamine, N-protection of the chain amino as the BOC derivative (82%, 2 steps), hydrogenolysis of CBZ (35%), peptide coupling with D-N-Fmoc-4-chlorophenylalanine using EDC, removal of Fmoc (87%, 2 steps), another peptide coupling with N-BOC- β -alanine, and removal of BOC, to give invention compound II, isolated as the trifluoroacetate salt.

IT 626220-85-7P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of substituted piperazine derivs. as melanocortin receptor ligands)

RN 626220-85-7 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[3-[1-[(2-(2-thienyl)ethyl]amino]ethyl]-2-pyridinyl]-1-piperazinyl]ethyl]1,2,3,4-tetrahydro- (9CI) (CA INDEX NAME)

PAGE 1-A

PAGE 2-A

5

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 29 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:591007 CAPLUS

DN 139:149922

TI Preparation of piperazinyl amino acid derivatives as melanocortin receptor agonists

IN Backer, Ryan Thomas; Collado Cano, Ivan; De Frutos-Garcia, Oscar; Doecke, Christopher William; Fisher, Matthew Joseph; Kuklish, Steven Lee; Mancuso, Vincent; Martinelli, Michael John; Mullaney, Jeffrey Thomas; Ornstein, Paul Leslie; Xie, Chaoyu

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 222 pp.

CODEN: PIXXD2

DT Patent LA English FAN.CNT 1

CAN.		rent :	NO		•	WENT	_	שמת			ADDI	TCNT	TON 1	NTO.		D	אחה	
	PA.	LENT.	NO.	•		VIN										וע	MI E	
ΡI	WO.	2003	0616	60		A1		2003				003-1				21	0030	121
		W:										BG,						
			•		•	•	-		•	•	•	EE,	_	-		-	-	
			•		•	•	-	-	•	•	•	-	-		-	•		
			•	•	•	•	•	•	•	•	•	KG,	•	•	•	•		-
												MW,						
			PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,
			UA,	ŪG,	US,	UZ,	VC,	VN,	ΥU,	ZA,	ZM,	zw						
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	ŪĠ,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	KZ,	MD,	RU,	TJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
												NL,						
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG	
	CA	2473	036	•	-	AA		2003	0731	-	CA 2	003-	2473	036		2	0030	121
	EΡ	1469	851			A1		2004	1027		EP 2	003-	7019	64		2	0030	121
		R:	AT,	BE,	CH,	DE,						IT,					MC,	PT,
			IE.	SI.	LT.	LV,	FI.	RO,	MK,	CY.	AL,	TR,	BG,	CZ,	EE,	HU,	SK	
	JΡ	2005	5274	92 [°]	•	т2	•	2005	0915	•	JP 2	003-	5616	04	•	2	0030	121
	US	2005	0753	44		A1												
TAGG		2002														_		
LIVAL		2003																
00										000								
os	CA.	SREAC	T 13	9:14	9922	, MA	KPAT	139	:149	922								
GI																		

$$R^{3}$$
 R^{2}
 $N-CO$
 N_{R4}
 CH_{2}
 N^{-1}
 N_{R4}
 N_{R4

The invention relates to melanocortin receptor (MC-R) agonists I [LL1 = H2 AB or oxo; E = O, S, NR1b, SO, SO2, CR9, CR92, where R1b = H, alkyl, alkylsulfonyl, etc. and R9 = H, alk(en)(yn)yl, alkanoyl, Ph, (hetero)aryl; or R9 may combine with adjacent R1 to form a carbocycle; X = CH2 or CH2CH2; Y = (CH2)0-2; the ring containing E may have a double bond; T =substituted (tetrahydro)isoquinolinyl, dihydroisoindolinyl, or piperazinyl; n = 0-8; R1 = H, alkyl, (D)cycloalkyl, aryl, carbalkoxy, etc.; R1a = H, (cyclo)alkyl, (D)(hetero)aryl, aminoalkyl, etc.; R2 = H, alkyl, alkylcarbamoyl, (D)phenyl, (D)cycloalkyl, or oxo adjacent to N attached to the ring containing E; p = 0-4; R3 = (un)substituted Ph, aryl, or thienyl; R4 = H, alkyl, alkoxyalkyl, alkanoyl, or carbalkoxy] or their pharmaceutically-acceptable salts or stereoisomers, which are useful in the treatment of obesity, diabetes, and male and/or female sexual dysfunction. Compds. I comprise three domains, i.e., a piperazinyl fragment, an amino acid, and a radical CLL1(CH2)n-T. Thus, N-[1-(4-chlorobenzyl)-2-[4-(4-isobutyl-1-isopropylpiperidin-4-yl)piperazin-1-y1]-2-oxoethy1]-2-(2,3-dihydro-1H-isoindol-1-y1)acetamide TFA salt was

prepared via acylation of the piperazine moiety and assayed for treatment of sexual dysfunction in rat models (MC4 Ki = 9 nM, MC4 EC50 = 4.2 nM).

IT 569653-69-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of piperazinyl amino acid derivs. as melanocortin receptor agonists)

RN 569653-69-6 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(1-methylethyl)-2H-pyran-4-yl]-1-piperazinyl]ethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 30 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:472507 CAPLUS

DN .139:36797

TI Preparation of alanylpiperidine heterocyclic derivatives for use in the treatment of cardiovascular diseases

IN Jones, Stuart Donald; Sall, Daniel Jon; Wiley, Michael Robert

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 72 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

1711	PAT	ENT 1	10.			KINI	D -	DATE		;	APPL:	ICAT:	ION 1	NO.		. Di	ATE	
ΡI	WO	2003	0501	09		A1		2003	0619	1	WO 2	002-1	US37	595		2	0021	209
		W:	ΑĒ,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SD,	SE,	SG,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,
			UG,	US,	UZ,	VC,	VN,	ΥU,	ZA,	ZM,	ZW							
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	ΚZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
			FI,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	SI,	SK,	TR,	BF,	ВJ,
	CF, CG, CI						GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG		
	AU 2002359458																0021	
	EP 1456198					A1		2004	0915		EP 2	002-	7939	98		. 2	0021	209

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK US 2004-496019 20040601 US 2004254374 **A**1 20041216 US 7115609 B2 20061003 PRAI US 2001-339325P Ρ 20011212 WO 2002-US37595 W 20021209 MARPAT 139:36797 OS GΙ

Me
$$X^1$$
 N O $CH_2)_{n}-R^1$ R^2 O I

AB Compds. I [X1 = CH or N; n = 1 or 2; R1 = H or Me; R1 = CF3, CO2H, CONH2, SO2NH2, Ph, pyridyl, C-linked (N-alkyl)imidazolyl, cycloalkyl, oxa-, thia-or (N-alkyl)azacycloalkyl; R2 = 4-Cl-, 4-MeO-, or 4-MeC6H4 which may be 3-substituted, 2- or 6-indolyl which may be 5- or 3-substituted, resp., or 2-benzothienyl which may be 6-substituted] or their pharmaceutically-acceptable salts were prepared as factor Xa inhibitors useful in the treatment of thrombotic disorders. Thus, 1-[N-(indole-6-carbonyl)- β -phenyl-D-alanyl]-4-(1-methylpiperidin-4-yl)piperidine hydrochloride was prepared by coupling of N-(tert-butoxycarbonyl)- β -phenyl-D-alanine with 1-(1-methylpiperidin-4-yl)piperazine, followed by deprotection and acylation with indole-6-carboxylic acid.

IT 544478-85-5P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of alanylpiperidine heterocyclic derivs. as factor Xa inhibitors for use in treatment of thrombotic disorders)

RN 544478-85-5 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-(cyclohexylmethyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

HCl

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7 ANSWER 31 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 2003:472385 CAPLUS

DN 139:36796

TI Preparation of glycine derivatives as factor Xa inhibitors for use in the treatment of thrombotic disorders

IN Wiley, Michael Robert; Sall, Daniel Jon; Murray, Christopher William; Young, Stephen Clinton; Bastian, Jolie Anne

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 67 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

FAN.		TENT 1	NO.			KIN	D	DATE			APPL	ICAT	ION 1	NO.		Dž	ATE	
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ΡΊ	WO	2003	0497	35		A1		2003	0619	1	WO 2	002-	US36	150		2	0021	209
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	AZ,	BA,	BB,	BG,	·BR,	BY,	BZ,	CA,	CH,	CN,
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH, .
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	ΝZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SD,	SE,	SG,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,	UA,
			UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	ZW							
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	KZ,	MD,	RU,	ТJ,	TM,	ΑT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
			FI,	FR,	GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	SI,	SK,	TR,	BF,	ВJ,
			CF,	CG,	ÇI,	CM,	GA,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG		
	AU	2002	3665	63														
	EP	1455	787			A1		2004	0915		EP 2	002-	7912	22		2	0021	209
	EP	1455	787			B1		2005	0622									
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
			ΙE,	SI,	LT,	LV,	·FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	ΕĒ,	SK		
	ΑT	2982	36			E		2005	0715		AT 2	002-	7912	22		2	0021	209
•	ES	2242	086			Т3		2005	1101		ES 2	002-	2791	222		2	0021	209
	US	2004	2491	55		A 1		2004	1209	1	US 2	004-	49.60	20		2	0040	601
	US	7078	415			B2		2006	0718									
PRAI	US	2001	-339	326P		P		2001	1212									
	WO	2002	-US3	6150		W		2002	1209									

OS MARPAT 139:36796

GI

Me N
$$\times$$
 N \times O \times N \times N \times O \times N \times N \times O \times N \times N

AB Compds. I [X1 = CH or N; n = 1 or 2; R = H or methyl; Rl = imidazol-1-yl or Xa-Ra, in which Xa is O, S or NRb; Ra is H, alkyl, Ph or pyridyl; Rb is H or alkyl or together with Ra and the nitrogen atom to which they are attached represents a saturated 4- to 6-membered ring which may contain O, S, NH, or alkylimino; R2 = 4-Cl-, 4-MeO-, or 4-MeC6H4 which may be 3-substituted, 2- or 6-indolyl which may be 5- or 3-substituted, resp., or 2-benzothienyl which may be 6-substituted] or their pharmaceutically-acceptable salts were prepared as factor Xa inhibitors useful in the treatment of thrombotic disorders. Thus, 1-[N-(indole-6-carbonyl)-D-serinyl]-4-(1-methylpiperidin-4-yl)piperidine hydrochloride was prepared by acylation of 1-(D-serinyl)-4-(1-methylpiperidin-4-yl)piperidine (synthesis given) with indole-6-carboxylic acid.

IT 544479-95-0P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of glycine derivs. as factor Xa inhibitors for treatment of thrombotic disorders)

RN 544479-95-0 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2-hydroxy-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

. ●11/10 HCl

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7
     ANSWER 32 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     2003:301053 CAPLUS
     138:321578
DN
      Preparation of peptides as ligands of melanocortin receptors
TI
     Dyck, Brian P.; Goodfellow, Val; Phillips, Teresa; Parker, Jessica; Zhang,
. IN
     Xiaohu; Chen, Chen; Tran, Joe Anh; Pontillo, Joseph; Tucci, Fabio C.
PA
     Neurocrine Biosciences, Inc., USA
SO
     PCT Int. Appl., 112 pp.
     CODEN: PIXXD2
DT
      Patent
LΑ
     English
FAN.CNT 1
      PATENT NO.
                          KIND
                                 DATE
                                             APPLICATION NO.
                                                                     DATE
                          ____
                                                                     20021009
                                 20030417 WO 2002-US32282
     WO 2003031410
                           A1
PΙ
             AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
              CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
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                                . 20030821
                                             US 2002-268923
                                                                     20021009
     US 2003158209
                           A1
      EP 1465867
                                 20041013
                                             EP 2002-800985
                                                                     20021009
                           A1
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      JP 2005506338
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      US 2002-366745P
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                                 20021009
      WO 2002-US32282
                           W
 os
      MARPAT 138:321578
 GΙ
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$$R^{7}$$
 N
 N
 $CO(CR^{3}?R^{3}?)_{m}NR^{1}R^{2}$
 $R^{6}(CH_{2})_{n}-A$
 R^{4}
 R^{5}

$$\begin{array}{c|c} & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & &$$

AB The invention relates to peptides I [m = 1-4; n = 0-4; A is](un) substituted alkanediyl; R1, R2, R3a, R3b = H, (un) substituted alkyl, aryl, arylalkyl, heterocyclyl, or heterocyclylalkyl or may combine to form rings; R1 or R2 may also be acyl; R4 = (un)substituted (hetero)aryl; R5 = H, OH, (un) substituted alkyl, aryl, or heterocyclyl; R6 = cyano, nitro, (un) substituted heterocyclyl, amino, carbamoyl, etc.; R7 = H or 1-4 substituents], or stereoisomers, prodrugs or pharmaceutically-acceptable salts, which function as melanocortin receptor ligands and may be used to treat disorders or illnesses including cachexia, obesity, diabetes, inflammation, and sexual dysfunction. Thus, treatment of cyclohexanone with sodium metabisulfite in H2O, followed by addition of Boc-protected piperazine and then NaCN, afforded 1-Boc-4-(1-cyanocyclohexyl)piperazine. The latter was converted into peptide II via coupling reaction. IT 511538-63-9P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of peptides as ligands of melanocortin receptors) 511538-63-9 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(1-cyanocyclohexyl)-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN

RE.CNT THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 33 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:97413 CAPLUS

DN 138:153555

Preparation of piperidinyl piperazine and piperidine derivatives as TI thrombolytic agents

Wiley, Michael Robert; Liebeschuetz, John Walter; Sall, Daniel Jon IN

Eli Lilly and Company, USA PCT Int. Appl., 63 pp. PA

SO

CODEN: PIXXD2

DTPatent

English LA

FAN.		911511 1																
2111.		TENT.	NO.			KIN		DATE			APPL	ICAT:	ION I	NO.		Di	ATE	
PI		2003				A2					WO 2	002-1	US21:	292		2	020	724
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	EΡ	1409	479			A2		2004	0421		EP 2	002-	7563	85		20	0020	724
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	•		IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	SK		
	US	2005	0269	28		A1		2005	0203		US 2	004-	4832	64		21	0040	115
PRAI	US	2001	-307	634P		P		2001	0726									
	US	2001	-311	462P		P		2001	0813									
		2001																
		2002																
os		RPAT																
GI																		

AB Piperidinyl piperazines and piperidines [I; wherein X = CH, N; R1 = (C1-C4)alkyl, (C2-C4)alkenyl, (C2-C4)alkynyl; R2 = (substituted) aryl, arenoheterocycle] were prepared For example, compound (II) was prepared by the claimed methodol. The prepared compds. are effective human Factor Xa inhibitors (Kass > 1 * 106 L/mol) and, thus, are effective as anticoagulants.

IT 495377-13-4P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of piperidinyl piperazine derivs. as Factor Xa inhibitors)

RN 495377-13-4 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butynyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

$$\begin{array}{c|c} & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & &$$

L7 ANSWER 34 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

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2003:97304 CAPLUS
AN
     138:137330
DN
     Preparation of substituted piperazines as agonists of melanocortin
TΙ
     receptors useful against obesity and diabetes
     Fotsch, Christopher H.; Arasasingham, Premilla; Bo, Yunxin; Chen, Ning;
IN
     Goldberg, Martin H.; Han, Nianhe; Hsieh, Feng-Yin; Kelly, Michael G.; Liu,
     Qingyian; Norman, Mark H.; Smith, Duncan M.; Stec, Markian; Tamayo, Nuria;
     Xi, Ning; Xu, Shimin
PA
     Amgen Inc., USA
     PCT Int. Appl., 331 pp.
SO
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 1
     PATENT NO.
                           KIND
                                   DATE
                                                APPLICATION NO.
                                                                          DATE
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                                   20030206
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     JP 2005503369
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PRAI US 2001-307831P
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                                   20020724
     US 2002-202823
                            Α
                                   20020725
     WO 2002-US23926
                            W
     MARPAT 138:137330
os
GΙ
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$$R^{1?}$$
 $R^{1?}$ $R^{1?}$

AB Selected substituted piperazine compds. (shown as I; variables defined below; e.g. (3S)-N-[(1S)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[(methylsulfonyl)amino]phenyl]piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydroisoquinoline-3-carboxamide) are effective for prophylaxis and

Ι

treatment of diseases, such as obesity and the like. The invention encompasses novel compds., analogs, prodrugs and pharmaceutically acceptable salts thereof, pharmaceutical compns. and methods for prophylaxis and treatment of diseases and other maladies or conditions involving activation of the melanocortin receptor. The subject invention also relates to processes for making such compds. as well as to intermediates useful in such processes. For I: Y is -NH-, -CH2-, or -O-; R = alkyl, -(CH2)n-cycloalkyl, -(CH2)n-aryl, and -(CH2)n-heterocyclyl; Rla, Rlb, Rlc, Rld, Rle, and Rlf = R4; or Rla and Rlb or Rld and Rlc form oxo; or wherein R1e and R1c form an alkylenyl or alkenylenyl bridge; or Rla, Rlb, Rlc, Rld together with the piperazine ring forms an optionally substituted 1,2,3,4-tetrahydroquinoxalinyl ring. R2 = alkyl, -(CH2) n-cycloalkyl, -(CH2) n-aryl, -(CH2) n-heterocyclyl, -SO2R8, -C(O) R8; R4 = H, alkyl, -(CH2) n-cycloalkyl, -(CH2) n-aryl, -(CH2) n-heterocyclyl, halo, -(CH2)n-OR9, -NR9SO2R7, -[C(R7)2]pNR9SO2R7, -[C(R7)2]pNR9C(O)R7, -N(R9)2, -C(O)NR9R9, -NR9C(O)R7, -NR9CO2R7, cyano, -COOR9, -(CH2)n-C:OR7, -(CH2)n-C(S)R7, -(CH2)n-C(:NR9)R7, -NR9C(:NR7)N(R9)2, -[C(R7)2]pN(R9)2,nitro, -SO2N(R9)2, -S(O)mR7, -C(R7)2SO2CF3, hydroxyalkyl, haloalkyl and haloalkoxy. R6 = aryl and heteroaryl; Ra = H, and alkyl or the two Ra's together form cycloalkyl; k is 0 or 1; m is 0, 1 or 2; n is 0, 1, 2, 3 or 4; p is 1 or 2; and q is 1 or 2; provisos and addnl. definitions are provided. In measurements of fast-induced food intake in mice, 6 examples of I caused a reduction in feeding at concns. ≤30 mg/kg. Although the methods of preparation are not claimed, 24 example prepns. of intermediates and >400 of I are included.

IT 494783-23-2P, N-[(1R)-1-[(4-Chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridyl)piperazin-1-yl]ethyl]-(3S)-1,2,3,4-tetrahydroisoquinoline-3-carboxamide

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of substituted piperazines as agonists of melanocortin receptors useful against obesity and diabetes)

RN 494783-23-2 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 35 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN AN 2002:964343 CAPLUS

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138:29109
DN
ΤI
     Preparation of crystal forms of antithrombotic piperazine derivative
     Engel, Gary Lowell; Diseroad, Benjamin Alan
IN
     Eli Lilly and Company, USA
PA
SO
     PCT Int. Appl., 19 pp.
     CODEN: PIXXD2
DT
     Patent
     English
LΑ
FAN.CNT 13
     PATENT NO.
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                                DATE
                                             APPLICATION NO.
                                                                     DATE
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                          A2
     WO 2002100847
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             UZ, VN, YU, ZA, ZW
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    EP 1397348
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     WO 2002-US16569
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AΒ
     1-(Indole-6-carbonyl-D-phenylqlycinyl)-4-(1-methylpiperidin-4-
     yl)piperazine difumarate forms a stable crystalline salt and is an inhibitor of
     the serine protease and Factor Xa, useful in the treatment of
     cardiovascular disorders, especially a thrombotic disorder.
IT
     478279-46-8P
     RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP
     (Physical process); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
        (preparation of crystalline forms of antithrombotic (indolecarbonyl-
        phenylglycinyl) (methylpiperidinyl)piperazine difumarate)
RN
     478279-46-8 CAPLUS
     1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-
CN
     piperazinyl]-2-oxo-1-phenylethyl]-, (2E)-2-butenedioate (1:2) (9CI)
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INDEX NAME)

CM 1

CRN 313489-71-3 CMF C27 H33 N5 O2

Absolute stereochemistry. Rotation (-).

CM 2

CRN 110-17-8 CMF C4 H4 O4

Double bond geometry as shown.

L7 ANSWER 36 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:946267 CAPLUS

DN 138:24727

TI Preparation of 2-[(piperazinocarbonylmethyl)aminocarbonyl]quinolines as platelet adenosine diphosphate receptor antagonists

IN Bryant, Judi A.; Buckman, Brad O.; Islam, Imadul; Mohan, Raju; Morrissey,
 Michael M.; Wei, Guo Pin; Xu, Wei; Yuang, Shendong

PA Schering Aktiengesellschaft, Germany

SO PCT Int. Appl., 208 pp. CODEN: PIXXD2

DT Patent

LA English

FAN. CNT 1

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     EP 1412349
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     WO 2002-US17821
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     US 2004-947579
                                    20040922
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os
     MARPAT 138:24727
GΙ
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The title compds. [I; a, b = 1-4; A = CH, N; R1 = H, alkyl, aryl, etc.; R2 = H, alkyl, aryl, etc.; R3 = H, alkyl, OH, etc.; R4 = H, alkyl, alkoxy, etc.; R5 = H, alkyl, hydroxyalkyl, etc.; R6 = NR7CO, CONR7; R7 = H, alkyl, carboxyalkyl, alkoxycarbonylalkyl], useful as inhibitors of platelet aggregation and thrombus formation, were prepared and formulated. Thus, amidation of 7-methyl-4-hydroxy-2-carboxyquinoline with 4-ethoxycarbonyl-1-[1-amino-3-(1,1-dimethylethoxycarbonyl)propyl]carbonylp iperazine (preparation of both reactants given) afforded 68% I [R1 = CO2Et; R2 = tert-BuOCOCH2CH2; R3 = OH; R4 = 7-Me; R5 = H; R6 = NHCO; A = N]. The compds. I demonstrated their ability to inhibit the binding of [33P]-2-methylthio-ADP binding to the human platelet ADP receptor and the rat platelet ADP receptor.

IT 478003-20-2P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of 2-[(piperazinocarbonylmethyl)aminocarbonyl]quinolines as platelet ADP receptor antagonists)

RN 478003-20-2 CAPLUS

1-Piperazinepentanoic acid, γ -[[(4-methoxy-2-quinolinyl)carbonyl]amino]- δ -oxo-4-(2-pyrimidinyl)-, methyl ester

CN

(9CI) (CA INDEX NAME)

L7 ANSWER 37 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:767295 CAPLUS

DN 138:137076

TI Substituted uracil derivatives as potent inhibitors of poly(ADP-ribose)polymerase-1 (PARP-1)

AU Steinhagen, Henning; Gerisch, Michael; Mittendorf, Joachim; Schlemmer, Karl-Heinz; Albrecht, Barbara

CS Institute of Medicinal Chemistry, Pharma Research Centre, Bayer AG, Wuppertal, D-42096, Germany

SO Bioorganic & Medicinal Chemistry Letters (2002), 12(21), 3187-3190 CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science Ltd.

DT Journal

LA English

OS CASREACT 138:137076

GI

AB A new class of PARP-1 inhibitors, namely substituted fused uracil derivs. such as I, were synthesized. Starting from a derivative with an IC50=2 μM the chemical optimization program led to compds. with more than a 100-fold increase in potency (IC50<20 nM). Addnl., physicochem. and pharmacokinetic properties were evaluated. It could be shown that compds. bearing a piperazine or Ph substituted $\beta\text{Ala-Gly}$ side chain exhibited the best overall profile.

Ι

IT 491837-72-0P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant

or reagent)

(preparation of uracil derivs. as inhibitors of poly(ADP-ribose)polymerase1)

RN 491837-72-0 CAPLUS

CN 1(2H)-Pyrimidinepropanamide, 6-(3-butenyl)-3,4-dihydro-2,4-dioxo-N-[2-oxo-2-[4-(2-pyrimidinyl)-1-piperazinyl]ethyl]-5-(2-propenyl)- (9CI) (CA INDEX NAME)

RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 38 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:695975 CAPLUS

DN 137:232913

TI Preparation of peptides for pharmaceutical use as modulators of melanocortin receptors

IN Yu, Guixue; Macor, John; Herpin, Timothy; Lawrence, R. Michael; Morton, George C.; Ruel, Rejean; Poindexter, Graham S.; Ruediger, Edward H.; Thibault, Carl

PA Bristol-Myers Squibb Company, USA

SO PCT Int. Appl., 107 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

FAN.		3 PENT	иọ.			KINI		DATE				ICAT:				D/	ATE	
ΡI	WO	2002	0705	11		A1		2002	0912	,						20	0020	302
												BG,						
			co,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	ES,	FI,	GB,	GD,	GE,	GH,
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	ΝZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TN,	TR,	TT,	TZ,
				•				YU,										
	•	RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AT,	BE,	CH,
												IT,						
												GW,						
		2437																
	EΡ	1363																
		R:										IT,	LI,	LU,	NL,	SE,	MC,	PT,
								RO,										
		2005										002-						
											US 2	002-	9058	2		20	0020	304
		2003092732 6979691						2005								_		
		2003096827						2003			US 2	002-	9028	8		2	0020	304
		6713				В2		2004								_		
								2004			US 2	003-	6967	61		2	0031	029
	US	7067	004229882 067525					2006	0627				•					

	US 2006025403	A1	20060202	US 2005-199464	20050808
PRAI	US 2001-273206P	Ρ.	20010302		
	US 2001-273291P	· P	20010302		
	WO 2002-US6479	W	20020302		
	US 2002-90288	A3	20020304	•	
	US 2002-90582	A3	20020304		
os	MARPAT 137:232913				
GI					

AB Compds. W-(CR6R7)yCH(G)(CR4R5)xCO-X(R1)CHR2(CHR3)r(CH2)sCO-E [X = N or CH;R1, R3 = H or alkyl; R2 = H, aryl, cycloalkyl, heteroaryl, heterocyclyl, (un) substituted alkyl or alkenyl; R1 together with R2 or R3 or R2 together with R3 form mono- or bicyclic aryl, cycloalkyl, heteroaryl, or heterocyclyl; E = (un) substituted pyrrolidino, piperidino, hexahydro-1-azepinyl, 1-piperazinyl, cyclopentyl, cyclohexyl, cycloheptyl, amino, (cyclo)alkylamino; R4-R6 = H, (un)substituted alkyl, amino, alkylamino, hydroxy, alkoxy, aryl, cycloalkyl, heteroaryl, or heterocyclyl; or CR4R5 or C6R7 is a spirocycloalkyl ring; r, s = 0 or 1; x = 0-4; y = 0-2; G = alkenyl, arylalkenyl, hydroxy, heteroaryl, cyano, functionalized alkyl or alkenyl, etc.; W = amino, alkylamino, hydroxy, alkoxy, carbamoyl, amidino, cycloalkyl, heteroaryl, heterocyclyl, etc.] were prepared as modulators of melanocortin receptors, particularly MC-1R and MC-4R. Thus, peptide I was prepared by a solution-phase peptide coupling/deprotection scheme.

IT 457904-66-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of peptides for pharmaceutical use as modulators of melanocortin receptors)

RN 457904-66-4 CAPLUS

CN lH-Imidazole-4-propanamide, α-(acetylamino)-N-[(1S)-2-(4-cyclopentyl-1-piperazinyl)-1-[(4-methoxyphenyl)methyl]-2-oxoethyl]-, (αS)- (9CI) (CA INDEX NAME)

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

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L7 ANSWER 39 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 2002:366971 CAPLUS

DN 136:386124

TI Preparation of amidoalkyluracils as inhibitors of poly(ADP-ribose)synthetase (PARS)

IN Albrecht, Barbara; Gerisch, Michael; Handke, Gabriele; Jensen, Axel; Krahn, Thomas; Nickl, Werner; Oehme, Felix; Schlemmer, Karl-Heinz; Steinhagen, Henning

PA Bayer Ag, Germany

SO Ger. Offen., 70 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

rau.	PATENT NO.					KIND DATE			APPLICATION NO.						DATE				
ΡI	DE 10056312 A				•				DE 2	000-		20001114							
	CA 2428	1335			AA		2002	0523						20011102					
	WO 2002						2002			WO 2	001-	EP12	694	20011102					
	WO 2002						2002								20011102				
		AE,							RA.	BB.	BG.	BR.	BY.	B7.	CA.	CH.	CN.		
	***						DK,												
		•	•	•	•		IN,	-	-			-	-	-					
			•	•			MD,	-	-		-	-	-	-					
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		-	-	-			SE,												
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	RW:	GH,	-	-															
0.		•	•	•	•	•	GB,	•	•		-	-	-	-	-	-	BF,		
•		•	•	•	•	•	GA,	•		•	•	•							
	AU 2002	20248	25		A 5		20020527			AU 2002-24825						20011102			
•	EP 1339	699			A1		2003		EP 2001-994632				20011102						
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,		
		ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR								
	US 2005	0753	47		A1		2005	0407		US 2	003-	4166	22		20	00312	229		
PRAI	DE 2000	-100	5631	2	Α		2000	1114											
	WO 2001										•								
os	MARPAT																		
GI		•												-					

Title compds. [I; A = D, CH2D, DCH2, CH:CHCH2, CH2CH:CH, CH2CH2D, DCH2CH2, CH2DCH2; D = CH2, O, S; E, G = (substituted) alkylene, cycloalkylene; T = CH2; U, V = (substituted) aryl, heterocyclyl; W = O, S, CO2, OCO, NR4; R4 = H, alkyl; m, n, q, p = 0, 1; X = O, S, NR5; R5 = H, alkyl, PhCH2; Y1 = H; Y2 = OH; Y1Y2 = O, S, NR6; R6 = H, alkyl, PhCH2; R1 = H, alkyl, (halo)cycloalkyl; R2 = H, alkoxycarbonyl; R3 = (substituted) aryl, heterocyclyl] were prepared Thus, a mixture of 3-(2,4-dioxo-3,4,5,6,7,8-hexahydro-1(2H)-quinazolinyl)propanoic acid (preparation given) and 2-(2-naphthyl)-2-oxo-1-ethanamine hydrochloride in CH2Cl2 was treated with disopropylamine and 4-dimethylaminopyridine, followed by addition of 1,3-dicyclohexylcarbodiimide at 0° and stirring for 18 h at room temperature, to give 48%

3-(2,4-dioxo-3,4,5,6,7,8-hexahydro-1(2H)-quinazolinyl)N-[2-(2-naphthyl)-2-oxo-1-ethyl]propanamide. Several I inhibited PARS with IC50 = 8.5-80 nM.

IT 425635-35-4P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amidoalkyluracils as inhibitors of poly(ADPribose)synthetase (PARS))

RN 425635-35-4 CAPLUS

CN 1(2H)-Quinazolinepropanamide, N-[2-[4-(5-fluoro-2-pyrimidinyl)-1-piperazinyl]-2-oxoethyl]-3,4,5,6,7,8-hexahydro-2,4-dioxo-(9CI) (CA INDEX NAME)

PAGE 2-A

L7 ANSWER 40 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:923784 CAPLUS

DN 136:54020

TI Preparation of amino acid derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Murray, Christopher William; Young, Stephen Clinton; Camp, Nicholas Paul; Jones, Stuart Donald; Wylie, William Alexander; Masters, John Joseph; Wiley, Michael Robert; Sheehan, Scott Martin; Engel, David Birenbaum; Watson, Brian Morgan; Guzzo, Peter Robert; Mayer, Michael John

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 191 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

	PATENT NO.				KIND			DATE		APPLICATION NO.						DATE		
ΡI	PI WO 2001096323							WO 2001-GB2553						20010612				
PI	WO				ът		ъm								D7	_		
		W:									BB,							
											EC,							
											KE,							
											MN,							
								SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,
			-			ZA,												
		RW:	GH,	GM,	ΚE,	LS,	MW,	MZ,	SD,	SL,	SZ,	ΤZ,	ŪG,	ZW,	AT,	BE,	CH,	CY,
			DE,	DK,	ES,	FI,	FR,	GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GA,	GN,	GW,	ML,	MR,	ΝE,	SN,	TD,	TG		
	WO	2000	0769	71		A2		2000	1221		WO 2	000-	GB23	02		2	0000	613
	WO	2000	07691	71		A3		2001	0802									
		W:	ΑE,	AG,	AL,	AM,	ΑT,	ΑU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	CA,	CH,	CN,	CR,
			CU,	CZ,	DE,	DK,	DM,	DZ,	EE,	ES,	FI,	GB,	GD,	GE,	GH,	GM,	HR,	HU,
											KR,							
											MZ,							
											TT,							
			ZA,					,	•			•	•	•	•	•	•	•
		RW:			KE.	LS.	MW.	MZ.	SD.	SL.	SZ,	TZ.	UG.	ZW.	AT.	BE.	CH.	CY.
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	$C\Delta$	2411		00,	O - ,	AA		2001	-		CA 2				- 0	21	0010	612
		1289				A1	•	2003			EP 2					20010612		
		1289				B1		2004			DI 2	001,	3300	00			0010	012
	E.F	1209		DE	CH		חע			CB	GR,	TT	тт .	TII	NŤ	C F	MC	ייים
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	DD	2001			111,		EI,				AL, BR 2		1115	1		2	0010	612
		2001				A		2003									0010	
		2004		4 /		T2		2004			JP 2							
		5218				A		2004			NZ 2						0010	
		2755		4.0		E		2004			AT 2						0010	
		2003		46		A1		2003			US 2		3019	′		2	0020	204
		6946				B2		2005			F70 0			r.c0		2	0000	co.c
		2002				A2		2002			WO 2	002-	0216	56 9		2	0020	606
	WO	2002				A3		2003								~~	~~~	a
		W:									BB,							
											EC,							
											KE,							LR,
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											SK,	SL,	TJ,	ΊM,	TN,	TR,	TT,	TZ,
								YU,										
		RW:									SZ,							
											CH,							
											TR,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,
			GN,	GQ,	GW,	ML,	MR,	ΝE,		TD,	TG	,						
	EΡ	1397	348			A2		2004	0317		EP 2	002-	7789	33		2	0020	606
	ΕP	1397				В1		2005										
•		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	ΝL,	SE,	MC,	PT,
			IE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	ΑL,	TR						
	JP	2004	5340	62		Т2		2004	1111		JP 2	003-	5036	15		2	0020	606
	ΑT	3054	52			E		2005	1015		AT 2	002-	7789	33		2	0020	606
	ES	2248	618			Т3		2006	0316		ES 2	002-	2778	933		2	0020	606
	NO	2002	0056	65		Α		2002			NO 2	002-	5665			2	0021	125
		2002				В1		2005			HR 2					2	0021	212
		1054				A1		2005			HK 2			46			0030	
		2004		95		A1		2004			US 2						0031	
		2004				A1		2004			US 2						0040	
	7-													-		_		

	US	6936611	B2	20050830				
	US	2004176363	A1	20040909	US	2004-803157	20040318	
PRAI	WO	2000-GB2302	W	20000613				
	GB	2000-30304	Α	20001213				
	GB	1999-13823	Α	19990614				
	US	1999-142064P	P	19990702				
	GB	1999-18741	Α	19990809				
	GB	1999-29553	Α	19991214			-	
	WO	2001-GB2553	W	20010612				
	US	2001-339295P	P	20011212				
	US	2002-30187	A1 .	20020204				
	WO	2002-US16569	W	20020606			•	
os	MAI	RPAT 136:54020						

Compds. R2-X-X-Y(Cy)-L-Lp(D)n [R2 is a 5- or 6-membered aromatic carbon ring AB optionally interrupted by a N, O or S ring atom, optionally substituted at the 3 and/or 4 position or forms a fused ring system at these positions, which is an optionally substituted 5- or 6-membered carbocyclic or heterocyclic ring, or substituted at the position alpha to X-X, with the proviso that R2 can not be aminoisoquinolyl; X is a C, N, O or S atom or a CO, CRla, C(Rla)2 or NRla group [at least one X is C, CO, CRla or C(R1a)2], where Rla represents H, OH, alkoxy, alkyl, aminoalkyl, hydroxyalkyl, alkoxyalkyl, alkoxycarbonyl, alkylaminocarbonyl, alkoxycarbonylamino, acyloxymethoxycarbonyl or alkylamino optionally substituted by OH, alkylamino, alkoxy, oxo, aryl or cycloalkyl; Y is a N atom or a CR1b group (R1b defined as for R1a); Cy is an (un)substituted, (un)saturated, mono- or polycyclic, homo- or heterocyclic group; -L-Lp(D)n is 4-substituted 1-piperazinecarbonyl] or their physiol.-tolerable salts were prepared for use as serine protease inhibitors. Compds. of the invention were found to significantly elongate the partial thromboplastin time (prothrombin time). Thus, 1-(4-methoxybenzoyl-D-phenylglycinyl)-4phenethylpiperazine was prepared in the first of 82 examples.

IT 381722-57-2P

RL: BYP (Byproduct); PREP (Preparation)

(preparation of amino acid derivs. as serine protease inhibitors)

RN 381722-57-2 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1S)-1-(2-chlorophenyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 41 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

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AN 2001:338558 CAPLUS
DN 134:340709
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TI Preparation of substituted dipeptides having NOS inhibiting activity

IN Shima, Ichiro; Ohkawa, Takehiko; Ohne, Kazuhiko; Sato, Kentaro; Ishibashi, Naoki; Imamura, Kenichiro

PA Fujisawa Pharmaceutical Co., Ltd., Japan

SO PCT Int. Appl., 59 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	FAN.	CNT 1	_																	
		PATENT NO.					KIND		DATE			APPLICATION NO.						DATE		
	PΙ	WO 2	20010	03269	90		A 1	2	2001	0510	1	WO 2	2000-	JP75	79		2	0001	027	
			W:	BR,	CA,	CN,	JP,	KR,	US											
			RW:	AT,	BE,	CH,	CY,	DE,	DK,	ES,	FI,	FR,	, GB,	GR,	ΙE,	IT,	LU,	MC,	NL,	
				PT,	SE		-			-										
EP 1226159				A1 20020731			0731	EP 2000-970164						20001027						
			R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	, IT,	LI,	LU,	NL,	SE;	MC,	PT,	
		•		IE,	FI,	CY														
		JP 2	20035	51310	04		Т2	2	2003	0408		JP 2	2001-	5353	89		2	0001	027	
		us e	8252	200			В1	2	2004	1130	1	US 2	2002-	1114	12		20	0020	506	
	PRAI	AU 1	1999-	-3868	3		Α	1	1999	1104										
		WO 2	2000-	-JP75	579		W	2	2000	1027										
	os	MARE	PAT 1	L34:3	3407	09														
	GI																			

$$R^{1}$$
-CONHCHR6CO-N N-R2

Dipeptides I [R1 is benzofuranyl or styryl substituted by halogen; R2 is (un) substituted Ph, pyridyl, thienyl, or thiazolyl; R3, R6 = H or lower alkoxy; R4, R5 = H, lower alkyl or optionally protected hydroxy(lower) alkyl] or their pharmaceutically acceptable salts were prepared for use in the prevention and/or treatment of nitric oxide-mediated diseases. Thus, 5-chloro-N-[(1S)-2-[[2-[4-(4-chlorophenyl)-1-piperazinyl]-2-oxoethyl]amino]-2-oxo-1-(2-pyridylmethyl) ethyl]-1-benzofuran-2-carboxamide (II) was prepared via amidation reaction and showed 100% inhibition of nitric acid. The combination of compound II and FK507 dramatically prolonged graft survival in rat cardiac allograft.

IT 337530-45-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of substituted dipeptides having NOS inhibiting activity)

RN 337530-45-7 CAPLUS

CN 2-Pyridinepropanamide, $\alpha-[[(2E)-3-(4-chlorophenyl)-1-oxo-2-propenyl]amino]-N-[2-oxo-2-[4-[5-(trifluoromethyl)-2-pyridinyl]-1-piperazinyl]ethyl]-, (<math>\alpha$ S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Double bond geometry as shown.

$$\begin{array}{c|c} & & & & \\ & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\$$

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD RE.CNT ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 42 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN L7

2001:114968 CAPLUS AN

134:183478 DN

Use of CGRP antagonists and CGRP release inhibitors for controlling TImenopausal hot flashes

Doods, Henri; Rudolf, Klaus; Eberlein, Wolfgang; Engel, Wolfhard IN

Boehringer Ingelheim Pharma K.-G., Germany PA

SO PCT Int. Appl., 41 pp. CODEN: PIXXD2

DTPatent

LΑ German

PATENT NO. KIND DATE APPLICATION NO.	DATE
PI WO 2001010425 A2 20010215 WO 2000-EP7613	20000805
WO 2001010425 A3 20020207	
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY	, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD	, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC	, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ	, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA	, UG, US, UZ, VN,
YU, ZA, ZW	
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW	, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL	, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD	, TG
DE 19937304 A1 20010315 DE 1999-1993730	4 19990810
DE 19937304 C2 20030821	
US 6521609 B1 20030218 US 2000-614343	20000712
CA 2378428 AA 20010215 CA 2000-2378428	20000805
BR 2000013009 A 20020430 BR 2000-13009	20000805
TR 200200359 T2 20020521 TR 2002-359	20000805
EP 1207884 A2 20020529 EP 2000-958385	20000805
EP 1207884 B1 20041103	
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU	, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL	

	ZA	2002000997	Α	20020821	ZA	2002-997	20000805
	JР	2003506403	Т2	20030218	JP	2001-514945	20000805
	EE	200200061	Α	20030415	EE	2002-61	20000805
	ΝZ	517367	Α	20040924	NZ	2000-517367	20000805
	ΑU	777709	B2	20041028	AU	2000-69928	20000805
	ΑT	281168	E	20041115	AT	2000-958385	20000805
	PT	1207884	${f T}$	20041231	·PT	2000-958385	20000805
	ES	2231243	Т3	20050516	ES	2000-958385	20000805
	BG	106391	Α	20020930	BG	2002-106391	20020206
	NO	2002000605	Α	20020207	NO	2002-605	20020207
	НK	1046854	A1	20050225	HK	2002-108347	20021119
PRAI	DE	1999-19937304	Α	19990810			
	US	2000-184800P	P	20000224			
	WO	2000-EP7613	W	20000805			
	- T			L1	CODD -		CCDD wellenge

AB The invention relates to the use of CGRP antagonists and CGRP release inhibitors for controlling menopausal hot flashes. Thus, tablets contained a piperazine derivative containing D-tyrosine and D-lysine residues

20, lactose 120, corn starch 40, Mg stearate 2, and Povidone K-25 18 mg. IT 204696-63-9

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (CGRP antagonists and CGRP release inhibitors for controlling menopausal hot flashes)

RN 204696-63-9 CAPLUS

CN 1-Piperidinecarboxamide, N-[(1R)-1-[(4-amino-3,5-dibromophenyl)methyl]-2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]-4-(2,3-dihydro-2-oxo-4-phenyl-1H-imidazol-1-yl)- (9CI) (CA INDEX NAME)

- L7 ANSWER 43 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
- AN 2000:900614 CAPLUS
- DN 134:56958
- TI Preparation of amino acid derivatives as serine protease inhibitors
- IN Liebeschuetz, John Walter; Lyons, Amanda Jane; Murray, Christopher William; Rimmer, Andrew David; Young, Stephen Clinton; Camp, Nicholas Paul; Jones, Stuart Donald; Morgan, Phillip John; Richards, Simon James;

Wylie, William Alexander; Masters, John Joseph; Wiley, Michael Robert PA Eli Lilly and Company, USA; Protherics Molecular Design Limited SO PCT Int. Appl., 261 pp. CODEN: PIXXD2 DT Patent English LА FAN.CNT 13 KIND DATE APPLICATION NO. DATE PATENT NO. ______ _____ -----____ WO 2000-GB2302 A2 20001221 20000613 ΡI WO 2000076971 **A3** 20010802 WO 2000076971 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG CA 2375920 AΑ 20001221 CA 2000-2375920 20000613 20010102 20000613 AU 2000054140 Α5 AU 2000-54140 EP 2000-938916 EP 1192132 20020403 20000613 A2 20050907 EP 1192132 В1 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO JP 2003502314 Т2 20030121 JP 2001-503831 20000613 AT 2000-938916 AT 303988 Ε 20050915 20000613 ES 2248084 **T3** 20060316 ES 2000-938916 20000613 CA 2411798 AA 20011220 CA 2001-2411798 20010612 CA 2411805 AA 20011220 CA 2001-2411805 20010612 A1 20011220 WO 2001-GB2541 20010612 WO 2001096296 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG WO 2001096303 WO 2001-GB2551 20010612 20011220 A1 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG WO 2001096323 20011220 WO 2001-GB2553 20010612 A1 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

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     US 2002-30188
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     US 2002-30189
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OS MARPAT 134:56958

Compds. R2-X-Y(Cy)-L-Lp(D)n [R2 represents a 5- or 6-membered aromatic AB carbon ring optionally interrupted by a N, O or S ring atom, optionally substituted at the 3 and/or 4 position or forms a fused ring system at these positions, which is an optionally substituted 5 or 6 membered. carbocyclic or heterocyclic ring or substituted at the position alpha to X-X; X is a C, N, O or S atom or a CO, CRla, C(Rla)2 or NRla group, where Rla represents H, OH, alkoxy, alkyl, aminoalkyl, hydroxyalkyl, alkoxyalkyl, alkoxycarbonyl, alkylaminocarbonyl, alkoxycarbonylamino, acyloxymethoxycarbonyl or alkylamino optionally substituted by OH, alkylamino, alkoxy, oxo, aryl or cycloalkyl; L is an organic linker group containing 1 to 5 backbone atoms selected from C, N, O and S, or a branched alkyl or cyclic group; Y is a N atom or a CR1b group (R1b defined as for Rla); Cy is an (un)substituted, (un)saturated, mono- or polycyclic, homo- or heterocyclic group; Lp is a lipophilic organic group; D is a hydrogen bond donor group; n = 0-2] were prepared for use as serine protease inhibitors. Compds. of the invention were found to significantly elongate the partial thromboplastin time (prothrombin time). Thus, 1-(3-amino-2-naphthoyl-Dphenylqlycinyl)-4,4'-bispiperidine was prepared and shown to double the prothrombin time at a concentration of 26 µM.

IT 313488-33-4P

> RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as serine protease inhibitors)

RN 313488-33-4 CAPLUS

Benzoic acid, 4-[(1R)-1-[(1H-indol-6-ylcarbonyl)amino]-2-[4-(1-methyl-4-CN piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

L7 ANSWER 44 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:900613 CAPLUS

DN 134:56957

TI Preparation of amino acid derivatives as serine protease inhibitors
IN Liebeschuetz, John Walter; Lyons, Amanda Jane; Murray, Christopher
William; Rimmer, Andrew David; Young, Stephen Clinton; Camp, Nicholas
Paul; Jones, Stuart Donald; Morgan, Phillip John; Richards, Simon James;
Wylie, William Alexander; Lively, Sarah Elizabeth; Harrison, Martin James;
Waszkowycz, Bohdan; Masters, John Joseph; Wiley, Michael John

PA Eli Lilly and Company, USA; Protherics Molecular Design Limited

SO PCT Int. Appl., 350 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

ran.						KIND DATE			APPLICATION NO.						DATE			
PI	WO 20									1	WO 2	000-	GB22	96		2	0000	613
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	CA 23 EP 11																	
PRAI	GB 19 US 19 GB 19	R: 999- 999-	AT, IE, -138: -142 -187	BE, SI, 23 064P	CH, LT,	DE, LV, A P A	DK, FI,	ES, RO 1999 1999	FR, 0614 0702 0809									
os					Α		1999 1999 2000	1214		•							•	

AB Compds. R2-X-Y(Cy)-L-Lp(D)n [R2 represents a 5- or 6-membered aromatic carbon ring optionally interrupted by a N, O or S ring atom, optionally substituted at the 3 and/or 4 position or forms a fused ring system at

these positions, which is an optionally substituted 5 or 6 membered carbocyclic or heterocyclic ring; X is a C, N, O or S atom or a CO, CR1a, C(R1a)2 or NR1a group, where R1a represents H, OH, alkoxy, alkyl, aminoalkyl, hydroxyalkyl, alkoxyalkyl, alkoxycarbonyl, alkylaminocarbonyl, alkoxycarbonylamino, acyloxymethoxycarbonyl or alkylamino optionally substituted by OH, alkylamino, alkoxy, oxo, aryl or cycloalkyl; L is an organic linker group containing 1 to 5 backbone atoms selected from C, N, O and S, or a branched alkyl or cyclic group; Y is a N atom or a CR1b group (R1b defined as for R1a); Cy is an (un)substituted, (un)saturated, mono- or polycyclic, homo- or heterocyclic group; Lp is a lipophilic organic group; D is a hydrogen bond donor group; n = 0-2] were prepared for use as serine protease inhibitors. Compds. of the invention were found to significantly elongate the partial thromboplastin time (prothrombin time). Thus, 1-(3-amino-2-naphthoyl-D-phenylglycinyl)-4,4'-bispiperidine was prepared and shown to double the prothrombin time at a concentration of 26 μ M.

IT 313488-33-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as serine protease inhibitors)

RN 313488-33-4 CAPLUS

CN Benzoic acid, 4-[(1R)-1-[(1H-indol-6-ylcarbonyl)amino]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 45 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:643016 CAPLUS

DN 133:223053

TI Preparation of amino acid amide derivatives for use as calcitonin gene-related peptide antagonists in pharmaceutical compositions

IN Eberlein, Wolfgang; Rudolf, Klaus; Engel, Wolfhard; Doods, Henri;
Hallermayer, Gerhard

PA Boehringer Ingelheim Pharma K.-G., Germany

SO Ger. Offen., 36 pp.

CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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     WO 2000-EP2004
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     MARPAT 133:223053
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AB Title compds., e.g.(I; see patent for general claims), were prepared and tested as CGRP antagonists for use in pharmaceutical prepns. for treatment of headache, non-insulin dependent diabetes mellitus, cardiovascular diseases, skin diseases, inflammatory diseases, allergic rhinitis, asthma, morphine tolerance, and menopausal hot flashes (formulations given), and for use as diagnostic or anal. aides in RIA or ELISA assays and as diagnostic or analytic auxiliary agents in neurotransmitter research. Thus, di-Ph methanesulfonylimidocarbonate was reacted with 1-(4-amino-3,5-dibromo-D-phenylalanyl)-4-(1-piperidinyl)piperidine (as the bis-trifluoroacetate salt), and the product further reacted with

Ι

3,4-dihydro-3-(4-piperidinyl)-2(1H)-quinazolinone to give I (27%). In in vitro tests of human calcitonin gene related peptide (CGRP) receptor binding using Sk-N-MC-cells, title compds. had IC50 \leq 104 nM, and in the same system, had CGRP-antagonist activity at doses from 10-11-10-5M.

IT 291509-50-7P

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acid amide derivs. for use as calcitonin gene-related peptide antagonists)

RN 291509-50-7 CAPLUS

CN Piperazine, 1-[(2R)-2-[[(cyanoamino)[4-(1,4-dihydro-2-oxo-3(2H)-quinazolinyl)-1-piperidinyl]methylene]amino]-3-(3,5-dibromo-4-hydroxyphenyl)-1-oxopropyl]-4-(4-piperidinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

L7 ANSWER 46 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1999:184268 CAPLUS

DN 130:223587

TI 1-amino-7-isoquinoline derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Wylie, William Alexander; Waszkowycz, Bohdan; Murray, Christopher William; Rimmer, Andrew David; Welsh, Pauline Mary; Jones, Stuart Donald; Roscoe, Jonathan Michael Ernest; Young, Stephen Clinton; Morgan, Phillip John; Camp, Nicholas Paul; Crew, Andrew Philip Austin

PA Proteus Molecular Design Ltd., UK

SO PCT Int. Appl., 89 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

PATENT NO. KIND DATE APPLICATION NO. DATE

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AB Aminoisoquinoline amino acid derivs. I [R1 = H, halo, cyano, nitro, hydroxy, amino, alkoxy, alkyl, aminoalkyl, hydroxyalkyl, thiol, alkylthio, aminosulfonyl, alkoxyalkyl, alkoxycarbonyl, acyloxymethoxycarbonyl or alkylamino (optionally substituted); R2 = H, halo, Me, amino, hydroxy, or oxo; and R is X-X-Y(R7)-L-Lp(D)n, where each X independently is a C, N, O or S atom or a CO, CR1, CR12 or NR1 group; Y is a nitrogen atom or a CR1 group or Y and L taken together form a cyclic group; R7 is a lipophilic group selected from alkyl, alkenyl, mono- or bi-cycloalkyl, aryl, heteroaryl, mono- or bicycloalkylalkyl, mono- or bicycloalkylalkenyl, aralkyl, heteroaryl-alkyl, arylalkenyl, heteroarylalkenyl, all optionally substituted by a group R1; L is an organic linker group containing 1 to 5 backbone atoms selected from C, N, O and S, or a branched alkyl or cyclic group; Lp is a lipophilic organic group selected from alkyl, heterocyclic, alkenyl, alkaryl, cycloalkyl, polycycloalkyl, cycloalkenyl, aryl, aralkyl or haloalkyl group or a combination of two or more such groups optionally substituted by one or more of oxa, thia, aza or R1 groups; D is a hydrogen bond donor group; and n is 0, 1, or 2] or their 3,4-dihydro derivs. were prepared as serine protease inhibitors. Thus, 1-aminoisoquinolin-7-oyl-Dphenylglycine-4-methoxybenzylamide was prepared by amidation of Boc-D-phenylglycine with 4-methylbenzylamine, followed by deprotection and coupling with 1-aminoisoguinoline-7-carboxylic acid trifluoroacetate. IT 221049-85-0P

Page 77

RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of aminoisoquinoline peptidyl derivs. as serine protease inhibitors)

RN 221049-85-0 CAPLUS

CN 7-Isoquinolinecarboxamide, 1-amino-N-[(1R)-2-oxo-1-phenyl-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 47 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:197358 CAPLUS

DN 128:257695

TI Preparation of modified amino acids and their use as calcitonin gene-related peptide antagonists in pharmaceutical compositions

IN Rudolf, Klaus; Eberlein, Wolfgang; Engel, Wolfhard; Pieper, Helmut; Doods, Henri; Hallermayer, Gerhard; Entzeroth, Michael; Wienen, Wolfgang

PA Karl Thomae G.m.b.H., Germany

SO PCT Int. Appl., 461 pp. CODEN: PIXXD2

DT Patent

LA German

FAN. CNT 2

FAN.	AN.CNT 2 PATENT NO.					KIND DATE				APPLICATION NO.								
ΡI	WO 981	 L128															•	
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		KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MD,	MG,	MK,	MN,	MW,	MX,	NO,	NZ,	
		PL,	PT,	RO,	RU,	SD,	SE,	SG,	SI,	SK,	SL,	TJ,	TM,	TR,	TT,	UA,	UG,	
		US,	UZ,	VN,	YU,	zw												
	RW:	GH,	KE,	LS,	MW,	SD,	SZ,	UG,	ZW,	AT,	ΒE,	CH,	DE,	DK,	ES,	FI,	FR,	
		GB,	GR,	IE,	IT,	LU,	MC,	NL,	PT,	SE,	BF,	ВJ,	CF,	CG,	CI,	CM,	GA,	
		GN,	ML,	MR,	NE,	SN,	TD,	TG										
	DE 1963	36623			` A1		1998	0312		DE 1	996-	1963	6623		1:	9960	910	
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	JP 3483893	B2	20040106		
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	EE 4375	B1	20041015	EE 1999-115	19970908
	PL 190180	B1	20051130	PL 1997-331989	19970908
	NO 9901130	Α	19990505	NO 1999-1130	19990309
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	US 6344449	B1	20020205	US 1999-254281	19991012
	нк 1021192	A1	20040430	нк 1999-105722	19991208
	US 2001036946	A1	20011101	us 2001-789391	20010221
	US 2003069231	A1	20030410	บร 2002-119875	20020410
	US 2004214819	A1	20041028	US 2004-835495	20040429
PRAI	DE 1996-19636623	Α	19960910	•	
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	WO 1997-EP4862	W	19970908		
	US 1999-254281	A 1	19991012		
	US 2001-789391	A1	20010221		
	US 2002-119875	B1	20020410		
os	MARPAT 128:257695				
GI					

AB The invention concerns modified amino acids of general formula I [A = bond, CX; Z = CH2, NR1; R1 = H, alkyl, phenyl-alkyl; X = O, H,H; n = 1-2; m = 0-1; R = (substituted)alkyl; R2 = Ph, (substituted)(hetero)(bi)cycle; R3 = H, (substituted)alkyl, Ph, pyridinyl; R4 = H, (substituted)alkyl; R3R4= (hetero)cycle; R5 = H, alkyl, alkoxycarbonyl, PhCH2], pharmaceuticals containing these compds., their use and the method for their production, as well as their use for the production and purification of antibodies and

as marked compds. in RIA and ELISA assays and as diagnostic or analytic auxiliary agents in neurotransmitter research. Thus, 3,5-dibromo-N2-[4-

(1,3-dihydro-2(2H)-oxo-benzimidazol-1-yl)-1-piperidinyl]carbonyl-D-tyrosine was reacted with 1-(4-pyridinyl)-piperazine, to give II(22%). Title compds. show human calcitonin gene related peptide (CGRP) antagonist activity; in in-vitro binding studies with Sk-N-MC-cells, I had IC50 \leq 10000 nM, and in the same system, had CGRP-antagonist activity at doses from 10-11 to 10-6 M.

IT 204695-32-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acids and their use as calcitonin gene-related peptide antagonists in pharmaceutical compns.)

RN 204695-32-9 CAPLUS

CN 1-Piperidinecarboxamide, N-[1-[(3,5-dibromo-4-hydroxyphenyl)methyl]-2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]-4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 48 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 1998:186625 CAPLUS

DN 128:230701

TI Preparation of varied amino acids as calcitonin gene-related peptide antagonists in pharmaceutical compositions

IN Rudolf, Klaus; Eberlein, Wolfgang; Engel, Wolfhard; Pieper, Helmut; Doods, Henri; Hallermayer, Gerhard; Entzeroth, Michael; Wienen, Wolfgang

PA Karl Thomae G.m.b.H., Germany

SO Ger. Offen., 142 pp. CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
ΡI	DE 19636623	A1 ·	19980312	DE 1996-19636623	٠.	19960910

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                                  19980319 WO 1997-EP4862
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     WO 9811128
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             US, UZ, VN, YU, ZW
         RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
             GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
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    CN 1230196
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     NO 9901130
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                                               NO 1999-1130
                                                                         19990309
                      B1
B1
A1
     BG 64214
                                               BG 1999-103250
                                  20040531
                                                                        19990315
     US 6344449
                                  20020205
                                               US 1999-254281
                                                                        19991012
     нк 1021192
                           A1
                                  20040430
                                               нк 1999-105722
                                                                        19991208
PRAI DE 1996-19636623 A
                                  19960910
     DE 1997-19720011 A
                                  19970514
     EP 1997-938928
                           A3
                                  19970908
                           A3 19970908
     JP 1998-513227
                           W
                                  19970908
     WO 1997-EP4862
OS
     MARPAT 128:230701
GI
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AB Title compds. RCOZCR1R2C(:X)ANR3R4 [(I); R = (substituted) alkyl; R1 = H, alkyl, PhCH2; R2 = (CO)m(CH2)nR5; m = 0, 1; n = 1, 2; R5 = Ph, heterocycle; X = O, (H,H); Z = CH2, NR6; R6 = H, alkyl, phenyl-alkyl; A = bond, proline; R3 = H, substituted alkyl, Ph, pyridinyl; R4 = H, substituted alkyl; NR3R4 = (substituted) heterocycle], useful as calcitonin gene-related peptide (CGRP) antagonists, were prepared Thus, 3,5-dibromo-N2-[4-(1,3-dihydro-2(2H)-oxo-benzimidazol-1-yl)-1-piperidinyl]carbonyl-D-tyrosine was reacted with 1-(4-pyridinyl)-piperazine, to give II (22%). In in-vitro binding studies with human CGRP-receptors, I had IC50 ≤10000 nM; in CGRP-antagonist in vitro tests, I was effective at doses from 10-11 to 10-5 M.

II

IT 204695-32-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acids and their use as calcitonin gene-related peptide antagonists in pharmaceutical compns.)

RN 204695-32-9 CAPLUS

CN 1-Piperidinecarboxamide, N-[1-[(3,5-dibromo-4-hydroxyphenyl)methyl]-2-oxo-2-[4-(4-pyridinyl)-1-piperazinyl]ethyl]-4-(2,3-dihydro-2-oxo-1H-benzimidazol-1-yl)-, (R)- (9CI) (CA INDEX NAME)

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L7
    ANSWER 49 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 1996:170747 CAPLUS

124:233150 DN

ΤI

Preparation of peptideamide derivatives as neurokinin antagonists. Schnorrenberg, Gerd; Esser, Franz Dipl; Dollinger, Horst; Jung, Birgit; Speck, Georg; Buerger, Erich IN

Boehringer İngelheim KG, Germany Ger. Offen., 56 pp. PA

SO

CODEN: GWXXBX

DTPatent ·

German LΑ

FAN.																			
			NO.					DATE			APE	PLI	CAT	ION	NO.		D.	ATE	
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	CN	1147	260			Α		1997	0409		CN	19	95-	1928	359		1	9950	504
	HU	7570	8			A2		1997	0528		HU	19	96-	3082	2		1	9950	504
	ΕP	8044	63			A1		1997	1105		ΕP	19	95-	9193	392		1	9950	504
			AT,																
						LV			,	,		•	,						,
	JP	0951	2806	•	•			1997	1222		JP	19	95-	5286	577		1	9950	504
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	RO	1153	55			В1		2000							5			9950	504
			628					1995	1107						3			9950	505
	US	5700	827			A									278				
			700																
		9604													3			9961	
PRAI	. –														•		_	J J O I	
			-444			A		1994											

US 1995-434613 A1 19950504 WO 1995-EP1691 W 19950504

OS MARPAT 124:233150

GI

AB R1-R11-A1-B [R1 = (alkyl-substituted) saturated or partially saturated 6-membered

(heterocyclic) ring optionally containing addnl. bridges and bonds; R11 = CO, CH2CO, SO2, CH2SO2; A1 = D- or L-Ala, -Val, -Leu, -Ile, -Thr, -Trp, -Met, -Cys, -Phe, -didehydroprolyl, -Gln, -His, etc.; B = A2NR2R3, R5; A2 = lipophilic amino acid residue; R2, R3 = OH, alkyl, (substituted) aralkyl, heteroaryl; NR2R3 = atoms to form specified rings; R5 = specified (substituted) benzoheterocycles]; were prepared Thus, title compound (I), prepared by solution phase couplings, showed IC50 = 3.1 nM and 21 nM for NK1 and NK2 receptor affinities, resp.

Ι

IT 174348-23-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of peptideamide derivs. as neurokinin antagonists)

RN 174348-23-3 CAPLUS

CN 2-Pyrrolidinecarboxamide, 4-hydroxy-N-[1-(2-naphthalenylmethyl)-2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-1-[(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-yl)carbonyl]-, [1R-[1α,2β[2S*(S*),4R*],4α]]- (9CI) (CA INDEX NAME)

L7 ANSWER 50 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN .

AN 1996:155518 CAPLUS

DN 124:203106

TI Preparation of modified peptides as neurokinin (tachykinin) antagonists

IN Schnorrenberg, Gerd; Esser, Franz; Dollinger, Horst; Jung, Birgit; Speck, Georg; Buerger, Erich

PA Boehringer Ingelheim KG, Germany; Boehringer Ingelheim International GmbH

SO PCT Int. Appl., 100 pp. CODEN: PIXXD2

DT Patent

LA German

FAN.CNT 2

ran.		CENT	NO.			KINI	D	DATE			APP	LICA	TI	ON I	NO.		D.	ATE		
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			NZ,	PL,	RO,	RU,	SG,	SI,	SK,	UA,	UΖ	, VN	Ī							
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	AU	6902	75			В2		1998	0423											
	ΕP	8044	63			A1		1997	1105		ΕP	1995	-9	193	92		1	9950	504	
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	NO	9604	700			Α		1996	1106		NO	1996	5-4	700			1	9961	106	
	FI	9604	473			Α		1996	1107		FI	1996	5-4	473			1	9961	107	
PRAI	DE	1994	-441	6255		Α		1994	0507											
	DE	1994	-444	5939		Α		1994	1222											
	WO	1995	-EP1	691	•	W		1995	0504											
os	MAI	RPAT	124:	2031	06															

GΙ

The production and use of new amino acid derivs. of general formula R1-R11-A1-B [R1 = saturated or partially saturated 6-membered ring optionally containing and O or N atom and/or a CH2, CMe2, CEt2, or CH2CH2 bridge, and containing and O, OH, or alkoxy group in the 2- or 3 position; R11 = CO, CH2CO, SO2, CH2SO2; A1 = optionally modified or protected amino acid residue; B = A2NR2R3, R5; A2 = lipophilic amino acid residue; R2, R3 = alkyl, aralkyl, heteroaryl, etc., NR2R3 = heterocyclic ring; R5 = amino-substituted lactam ring system] and pharmaceutically acceptable salts thereof, were prepared as valuable neurokinin (tachykinin) antagonists. Thus, camphor-substituted dipeptide amide I, prepared by stepwise couplings, showed neurokinin 1 (NK1) receptor affinity IC50 = 3.1 nM and NK2 affinity IC50 = 21 nM.

Ι

IT 174348-23-3P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of modified peptide neurokinin (tachykinin) antagonists)

RN 174348-23-3 CAPLUS

CN 2-Pyrrolidinecarboxamide, 4-hydroxy-N-[1-(2-naphthalenylmethyl)-2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-1-[(4,7,7-trimethyl-3-oxobicyclo[2.2.1]hept-2-yl)carbonyl]-, [1R-[1 α ,2 β [2S*(S*),4R*], 4 α]]- (9CI) (CA INDEX NAME)

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L7
     ANSWER 51 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
AN
     1995:304885 CAPLUS
DN
     122:106532
ΤI
     Preparation of amino acid- and peptideamides as tachykinin antagonists
     Esser, Franz; Schnorrenberg, Gerd; Dollinger, Horst; Jung, Birgit;
IN
     Boehringer Ingelheim KG, Germany; Boehringer Ingelheim International GmbH
PA
SO
     PCT Int. Appl., 152 pp.
     CODEN: PIXXD2
DT
     Patent
LА
     German
FAN.CNT 2
                                             APPLICATION NO.
                                                                    DATE
     PATENT NO.
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     WO 9405693
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     WO 1993-EP2329
os
     MARPAT 122:106532
GT ·
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P receptors with IC50 = 60 nM.

^{*} STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB R1COA1B [I; R1 = vinyl, (substituted) aryl, heteroaryl, aralkyl, heteroarylalkyl, cycloalkyl, adamantyl, adamantylalkyl, decalinyl, decalinalkyl, (methyl)bicycloheptyl, etc.; A1 = D- or L-Ala, D- or L-Val, D- or L-Leu, D- or L-Ile, D- or L-Thr, D- or L-Cys, D- or L-Phe, D- or L-Trp, D- or L-Pro, D- or L-dehydroPro, D- or L-pGlu, D- or L-Asp, D- or L-Asn, D- or L-Lys, D- or L-Orn, etc.; B = A2NR2R3, R5; A2 = lipophilic α-amino acid residue; R2, R3 = alkyl, OH, (substituted) aralkyl, heteroaryl; NR2R3 = Q1, Q2; m, n = 0-3; m+n = 2-5; s = 2,3; R5 = Q3, Q4; W = Q5, Q6, diarylmethyl, cyclopentyl, etc.; R6 = (substituted) aralkyl, diarylalkyl, heteroarylalkyl, phenylaminoalkyl, naphthylaminoalkyl, etc.; R7 = H, alkyl; X = H2, O; Y, Z = H, alkyl, alkoxy, (substituted) PhCH2O; t, u = 0, or t = 1, u = 0, or t, u = 1, or t = 2, u = 0], were prepared Thus, title compound II, prepared by solution phase couplings, bound to substance

IT 159137-06-1P

> RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as neurokińin antagonist)

RN 159137-06-1 CAPLUS

2-Pyrrolidinecarboxamide, N-[2-(4-cyclohexyl-1-piperazinyl)-1-[(4-CN. methoxyphenyl)methyl]-2-oxoethyl]-4-hydroxy-1-[(1-methyl-1H-indol-3yl)carbonyl]-, $[2S-[2\alpha(R^*),4\beta]]-(9CI)$ (CA INDEX NAME)

Absolute stereochemistry.

ANSWER 52 OF 52. CAPLUS COPYRIGHT 2006 ACS on STN L7

ΑN 1994:701326 CAPLUS

DN 121:301326

ΤI Preparation of new dipeptide derivatives as neurokinin antagonists

IN Schnorrenberg, Gerd; Esser, Franz; Dollinger, Horst; Jung, Birgit; Buerger, Erich

PA Boehringer Ingelheim KG, Germany

SO Ger. Offen., 49 pp. CODEN: GWXXBX

DTPatent

LΑ German

FAN.	FAN.CNT 2											
	PAT	TENT NO.		KIND	DATE	APPLICATION NO.	DATE					
						DE 1992-4243496 WO 1993-EP2329						
	WO	W: AU,	BG, B	CA, CA, C	Z, FI, HU,	JP, KR, NO, NZ, PL, GB, GR, IE, IT, LU,	RU, SK, UA					
	_	610487		A1 ·	19940817	EP 1993-919208						
	ĽР		BE, C	I, DE, D		GB, GR, IE, IT, LI,						
		07501085				JP 1993-506852 HU 1994-1323						
					· ·	AU 1993-49547						
				A1			1002000					
		186548 2137998		E T3		AT 1993-919208 ES 1993-919208						
	EP	979827				EP 1999-100929						
		9306472		A	19940627	GB, GR, IT, LI, LU, ZA 1993-6472	19930902					
	US	5596000		Α	19970121	US 1993-116090	19930902					

	FI 9401987	Α	19940429	FΙ	1994-1987	19940429
	NO 9401611	Α	19940502	NO	1994-1611	19940502
	US 5849918	Α	19981215	US	1995-460964	19950605
	US 6147212	Α	20001114	US	1998-111498	19980708
	GR 3032395	Т3	20000531	GR	2000-400089	20000114
PRAI	DE 1992-4229447	A1	19920903			
	DE 1992-4243496	Α	19921222			
	DE 1993-4315437	Α	19930508		•	
	EP 1993-919208	A3	19930828			-
	WO 1993-EP2329	W	19930828		•	
	US 1993-116090	A3	19930902			
	US 1995-460964	A3	19950605			
os	CASREACT 121:301326;	MARPA'	r 121:301326			
GT						

$$-N$$
 $(CH_2)m$
 $(CH_2)m$

AB Title compds. R1-CO-A1-A2-NR2R3 [I; R1 = vinyl, aryl, heteroaryl, aralkyl, heteroaralkyl, arylvinyl, heteroarylvinyl, etc.; A1 = D- or L-Ala, -Val, -Leu, etc.; A2 = α-amino acid residue, etc; R2, R3 = alkyl; or NR2R3 = heterocycle residue such as Q; m, n = 0, 1, 2, 3], useful as neurokinin antagonists (no data), are prepared E.g., L-Z-3-(1-pyrrolyl)alanine Me ester was stirred with 2,5-dimethoxytetrahydrofurn in H2O-EtOAc at room temperature for 23 h to give, after treatment with aqueous NaHCO3, Z-Pal-OMe

[Pal = 3-(1-pyrrolyl)alanine residue], which was hydrolyzed to give Z-Pal-OH, which was amidated with N-methylbenzylamine to give Z-Pal-NMeBzl, which was deprotected and the resulting H-Pal-NMeBzl was condensed with BOC-(2S,4R)-hydroxyproline to give H-Hyp-Pal-NMeBzl, which was acylated with indol-3-ylcarbonyl chloride to give the title compound II. Some pharmaceutical compns. containing I are described.

IT 159137-04-9P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of, as neurokinin antagonist)

RN 159137-04-9 CAPLUS

CN 2-Pyrrolidinecarboxamide, N-[2-(4-cyclohexyl-1-piperazinyl)-2-oxo-1-[(phenylmethoxy)methyl]ethyl]-4-hydroxy-1-[(1-methyl-1H-indol-3-yl)carbonyl]-, [2S-[2 α (R*),4 β]]- (9CI) (CA INDEX NAME)

10/500476

Absolute stereochemistry.

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=> => d 17 29 30 31 32 33 34 35 40 44 bib hitstr
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L7 ANSWER 29 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:591007 CAPLUS

DN 139:149922

TI Preparation of piperazinyl amino acid derivatives as melanocortin receptor agonists

IN Backer, Ryan Thomas; Collado Cano, Ivan; De Frutos-Garcia, Oscar; Doecke, Christopher William; Fisher, Matthew Joseph; Kuklish, Steven Lee; Mancuso, Vincent; Martinelli, Michael John; Mullaney, Jeffrey Thomas; Ornstein, Paul Leslie; Xie, Chaoyu

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 222 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

2.2										APPLICATION NO.						DATE		
ΡI	WO	2003	0616	60		A1		2003	0731							2	0030	121
		W:	ΑE,	AG,	AL,	AM,	AT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	BZ,	CA,	CH,	CN,
								DK,										
			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,
			LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,
			PL,	PT,	RO,	RU,	SC,	SD,	SE,	SG,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,
			UA,	UG,	US,	UZ,	VC,	VN,	YU,	ZA,	ZM,	zw						
		RW:	GH,	GM,	KE,	LS,	MW,	MZ,	SD,	SL,	SZ,	TZ,	UG,	ZM,	ZW,	AM,	ΑZ,	BY,
			KG,	KZ,	MD,	RU,	ТJ,	TM,	AT,	BE,	BG,	CH,	CY,	CZ,	DE,	DK,	EE,	ES,
			FI,	FR,	GB,	GR,	HU,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE,	SI,	SK,	TR,	BF,
			ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	GW,	ML,	MR,	NE,	SN,	TD,	TG	
	CA	2473	036			AA		2003	0731	(CA 2	003-	2473	036		2	0030	121
	ΕP	1469	851			A 1		2004	1027		EP 2	003-	7019	64		2	0030	121
		R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	ΙΤ,	LI,	LU,	NL,	SE,	MC,	PT,
		•	ΙE,	SI,	LT,	LV,	FI,	RO,	MK,	CY,	AL,	TR,	BG,	CZ,	EE,	HU,	SK	
		2005																
		2005								1	US 2	004-	5004	76		2	0040	629
PRAI	US	2002	-351	200P		P		2002	0123									
	WO	2003	-US3	3		W		2003	0121									
os	WO 2003-US33 S CASREACT 139:1499					; MA	RPAT	139	:149	922								

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569653-69-6P 569653-71-0P 569653-72-1P
IT
     569653-73-2P 569653-74-3P 569653-75-4P
     569653-76-5P 569653-77-6P 569653-78-7P
     569653-79-8P 569653-80-1P 569653-81-2P
     569653-82-3P 569653-83-4P 569653-84-5P
    569653-85-6P 569653-86-7P 569653-87-8P
    569653-88-9P 569653-89-0P 569653-95-8P
     569653-96-9P 569653-97-0P 569653-98-1P
     569653-99-2P 569654-00-8P 569654-02-0P
     569654-06-4P 569654-08-6P 569654-09-7P
     569654-10-0P 569654-11-1P 569654-12-2P
     569654-14-4P 569654-16-6P 569654-17-7P
     569654-18-8P 569654-20-2P 569654-21-3P
     569654-22-4P 569654-23-5P 569654-24-6P
     569654-25-7P 569654-26-8P 569654-27-9P
     569654-28-0P 569654-29-1P 569654-30-4P
     569654-31-5P 569654-33-7P 569654-34-8P
     569654-35-9P 569654-37-1P 569654-39-3P
     569654-40-6P 569654-41-7P 569654-47-3P
     569654-48-4P 569654-49-5P 569654-50-8P
     569654-51-9P 569654-52-0P 569654-55-3P
     569654-57-5P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
        (preparation of piperazinyl amino acid derivs. as melanocortin receptor
        agonists)
RN
     569653-69-6 CAPLUS
     2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-
CN
     oxo-2-[4-[tetrahydro-4-(1-methylethyl)-2H-pyran-4-yl]-1-
     piperazinyl]ethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester
            (CA INDEX NAME)
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Absolute stereochemistry.

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RN 569653-71-0 CAPLUS
CN 2(1H)-Isoquinolinecarboxylic acid, 3-[[[(1R)-1-[(4-chlorophenyl)methyl]-2-
[4-[1-[(1,1-dimethylethoxy)carbonyl]-4-(phenylmethyl)-4-piperidinyl]-1-
piperazinyl]-2-oxoethyl]amino]carbonyl]-3,4-dihydro-, 1,1-dimethylethyl
ester, (3R)- (9CI) (CA INDEX NAME)
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RN 569653-72-1 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(4-ethyl-1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-73-2 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(4-hexyl-1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-74-3 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[(1R)-1-[(4-chlorophenyl)methyl]-2-

[4-[1-methyl-4-(1-methylethenyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-75-4 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-[(2-fluorophenyl)methyl]-1-methyl-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-76-5 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(1-methylethyl)-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 569653-77-6 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-2H-thiopyran-4-yl]-1-piperazinyl]ethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-78-7 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(2-methylpropyl)cyclohexyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-79-8 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(2-methylpropyl)cyclopentyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 569653-80-1 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(1-methylethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-81-2 CAPLUS

2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-(cyclohexylmethyl)-1-methyl-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 569653-82-3 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-83-4 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-(2-methylpropyl)-1-(methylsulfonyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 569653-84-5 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-ethyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-85-6 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(2-methyl-1-oxopropyl)-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethylester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-86-7 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-2-[4-[1-acetyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-1-[(4-chlorophenyl)methyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-87-8 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-1,1-dioxido-2H-thiopyran-4-yl]-1-piperazinyl]ethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-88-9 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(1-methylethyl)cyclohexyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 569653-89-0 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-3-(2-methylpropyl)-3-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-95-8 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-2-methyl-, trihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●3 HCl

RN 569653-96-9 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(1-methyl-4-phenyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

RN 569653-97-0 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-98-1 CAPLUS

CN 2(1H)-Isoquinolinecarboxylic acid, 3-[[[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]amino]carbonyl]-3,4-dihydro-, 1,1-dimethylethyl ester, (3R)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569653-99-2 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-

methyl-4-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●3 HCl

RN 569654-00-8 CAPLUS

CN 2H-Isoindole-2-carboxylic acid, 1-[2-[[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-2H-pyran-4-yl]-1-piperazinyl]ethyl]amino]-2-oxoethyl]-1,3-dihydro-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569654-02-0 CAPLUS

CN lH-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(4-ethyl-1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, tris(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 569654-01-9 CMF C31 H42 Cl N5 O2

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-06-4 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(4-hexyl-1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-05-3 CMF C35 H50 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2 10/500476

RN 569654-08-6 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(1-methylethenyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-07-5 CMF C32 H42 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-09-7 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-[(2-fluorophenyl)methyl]-1-methyl-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

RN 569654-10-0 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-[(2-fluorophenyl)methyl]-1-methyl-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-09-7

CMF C36 H43 C1 F N5 O2

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-11-1 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(1-methylethyl)-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569654-12-2 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(1-methylethyl)-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-11-1 CMF C35 H50 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-14-4 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-2H-thiopyran-4-yl]-1-piperazinyl]ethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-13-3 CMF C32 H43 C1 N4 O2 S

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-16-6 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(2-methylpropyl)cyclohexyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-15-5

Page 106

CMF C33 H45 C1 N4 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-17-7 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(2-methylpropyl)cyclopentyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569654-18-8 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(2-methylpropyl)cyclopentyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-17-7 CMF C32 H43 Cl N4 O2 Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-20-2 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(1-methylethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-19-9 CMF C32 H44 Cl N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

Page 108

RN 569654-21-3 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-(cyclohexylmethyl)-1-methyl-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 2-A

•x HCl

RN 569654-22-4 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

RN 569654-23-5 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-'methyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-22-4 CMF C33 H46 Cl N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-24-6 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-(2-methylpropyl)-1-(methylsulfonyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

RN 569654-25-7 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-(2-methylpropyl)-1-(methylsulfonyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-24-6

CMF C33 H46 C1 N5 O4 S

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-26-8 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-ethyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569654-27-9 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-ethyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-26-8 CMF C34 H48 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-28-0 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(2-methyl-1-oxopropyl)-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●x HCl

RN 569654-29-1 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-2-[4-[1-acetyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-1-[(4-chlorophenyl)methyl]-2-oxoethyl]-2,3-dihydro-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●x HCl

RN 569654-30-4 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-1,1-dioxido-2H-thiopyran-4-yl]-1-piperazinyl]ethyl]-2,3-dihydro-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 569654-31-5 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(1-methylethyl)-2H-pyran-4-yl]-1-piperazinyl]ethyl]-2,3-dihydro-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

•x HCl

RN 569654-33-7 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-(1-methylethyl)cyclohexyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-32-6 CMF C32 H43 Cl N4 O2

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-34-8 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[(3S)-1-methyl-3-(2-methylpropyl)-3-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●x HCl

RN 569654-35-9 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[(3R)-1-methyl-3-(2-methylpropyl)-3-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, hydrochloride (9CI) (CA INDEX NAME)

●x HCl

RN 569654-37-1 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(1-methyl-4-phenyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-36-0 CMF C35 H42 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-39-3 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-

10/500476

dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-38-2 CMF C36 H44 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-40-6 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-2H-pyran-4-yl]-1-piperazinyl]ethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569654-41-7 CAPLUS

CN lH-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-2H-pyran-4-yl]-1-piperazinyl]ethyl]-2,3-dihydro-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-40-6 CMF C32 H43 C1 N4 O3

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-47-3 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[4-(cyclohexylmethyl)-1-methyl-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

RN 569654-48-4 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-2-[4-[1-acetyl-4-(2-methylpropyl)-4-piperidinyl]-1-piperazinyl]-1-[(4-chlorophenyl)methyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569654-49-5 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-4-(2-methylpropyl)-1,1-dioxido-2H-thiopyran-4-yl]-1-piperazinyl]ethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

RN 569654-50-8 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[(3S)-1-methyl-3-(2-methylpropyl)-3-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 569654-51-9 CAPLUS

CN 1H-Isoindole-1-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[(3R)-1-methyl-3-(2-methylpropyl)-3-piperidinyl]-1-piperazinyl]-2-oxoethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

. Absolute stereochemistry.

RN 569654-52-0 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-[(diethylamino)methyl]cyclopentyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

RN 569654-55-3 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[4-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-54-2 CMF C35 H42 Cl N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 569654-57-5 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-methyl-4-(phenylmethyl)-4-piperidinyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 569654-56-4 CMF C36 H44 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 30 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:472507 CAPLUS

DN 139:36797

TI Preparation of alanylpiperidine heterocyclic derivatives for use in the treatment of cardiovascular diseases

IN Jones, Stuart Donald; Sall, Daniel Jon; Wiley, Michael Robert

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 72 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2003050109 A1 20030619 WO 2002-US37595 20021209

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     544479-15-4P 544479-18-7P 544479-19-8P
     544479-20-1P 544479-21-2P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
        (preparation of alanylpiperidine heterocyclic derivs. as factor Xa
        inhibitors for use in treatment of thrombotic disorders)
RN
     544478-85-5 CAPLUS
     1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-(cyclohexylmethyl)-2-[4-(1-
CN
     methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, monohydrochloride (9CI)
       (CA INDEX NAME)
```

Absolute stereochemistry.

HC1

RN 544478-86-6 CAPLUS
CN 1H-Indole-6-carboxamide, N-[(1R)-1-(cyclohexylmethyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

●11/10 HCl

RN 544478-88-8 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-[(tetrahydro-2H-pyran-4-yl)methyl]ethyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & \\ &$$

●11/10 HCl

RN 544478-89-9 CAPLUS

CN 1H-Indole-6-carboxamide, N-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-[(tetrahydro-2H-pyran-4-yl)methyl]ethyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & & \\ & &$$

●11/10 HCl

RN 544478-90-2 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(4-pyridinylmethyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

RN 544478-91-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(4-pyridinylmethyl)ethyl]-, hydrochloride (2:3) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

●3/2 HCl

RN 544478-94-6 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(4-pyridinylmethyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

RN 544478-95-7 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(4-pyridinylmethyl)ethyl]-, hydrochloride (5:11) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

●11/5 HCl

RN 544478-98-0 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(2-pyridinylmethyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

RN 544478-99-1 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(2-pyridinylmethyl)ethyl]-, hydrochloride (4:7) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

●7/4 HCl

RN 544479-00-7 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(2-pyridinylmethyl)ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 544479-01-8 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(2-pyridinylmethyl)ethyl]-, hydrochloride (4:9) (9CI) (CA INDEX NAME)

●9/4 HCl

RN 544479-02-9 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-4-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-4-oxobutyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 544479-03-0 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-4-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-4-oxobutyl]-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HCl

RN 544479-06-3 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R)-4-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-4-oxobutyl]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

$$\begin{array}{c|c} & & & & \\ & &$$

RN 544479-07-4 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R)-4-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-4-oxobutyl]-5-chloro-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HC1

RN 544479-10-9 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[(1-methyl-4-piperidinyl)methyl]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 544479-11-0 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[(1-methyl-4-piperidinyl)methyl]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, hydrochloride (10:17) (9CI) (CA INDEX NAME)

●17/10 HCl

RN 544479-12-1 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[(1-methyl-4-piperidinyl)methyl]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 544479-13-2 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[(1-methyl-4-piperidinyl)methyl]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, hydrochloride (2:3) (9CI) (CA INDEX NAME)

●3/2 HCl

RN 544479-14-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-3-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-oxopropyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 544479-15-4 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-3-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-oxopropyl]-, hydrochloride (2:3) (9CI) (CA INDEX NAME)

●3/2 HCl

RN 544479-18-7 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R)-3-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-oxopropyl]-5-chloro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 544479-19-8 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R)-3-amino-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-oxopropyl]-5-chloro-, monohydrochloride (9CI) (CA INDEX NAME)

$$H_{2N}$$
 H_{2N}
 H

HCl

RN 544479-20-1 CAPLUS

CN 1H-Indole-6-carboxamide, N-[3,3,3-trifluoro-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]- (9CI) (CA INDEX NAME)

RN 544479-21-2 CAPLUS

CN 1H-Indole-6-carboxamide, N-[3,3,3-trifluoro-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, hydrochloride (9CI) (CA INDEX NAME)

•x HCl

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 31 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:472385 CAPLUS

DN 139:36796

TI Preparation of glycine derivatives as factor Xa inhibitors for use in the treatment of thrombotic disorders

IN Wiley, Michael Robert; Sall, Daniel Jon; Murray, Christopher William; Young, Stephen Clinton; Bastian, Jolie Anne

PA Eli Lilly and Company, USA

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PCT Int. Appl., 67 pp.
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     544480-00-4P 544480-02-6P 544480-03-7P
     544480-04-8P 544480-08-2P
     RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
     (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
        (preparation of glycine derivs. as factor Xa inhibitors for treatment of
        thrombotic disorders)
RN
     544479-95-0 CAPLUS
     1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2-hydroxy-1-[[4-(1-methyl-4-
CN
     piperidinyl)-1-piperazinyl]carbonyl]propyl]-, hydrochloride (10:11) (9CI)
     (CA INDEX NAME)
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●11/10 HCl

RN 544479-97-2 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R,2R)-2-methoxy-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●x HCl

RN 544479-99-4 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-(hydroxymethyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

●11/10 HCl

RN 544480-00-4 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-(hydroxymethyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●11/10 HCl

RN 544480-02-6 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-(methylthio)propyl]-, hydrochloride (5:9) (9CI) (CA INDEX NAME)

●9/5 HCl

RN 544480-03-7 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-1-(4-morpholinylmethyl)-2-oxoethyl]-, hydrochloride (5:8) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●8/5 HCl

RN 544480-04-8 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-1-(4-morpholinylmethyl)-2-oxoethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

HC1

RN 544480-08-2 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(1-piperidinylmethyl)ethyl]-, hydrochloride (10:33) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●33/10 HCl

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 32 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:301053 CAPLUS

DN 138:321578

TI Preparation of peptides as ligands of melanocortin receptors

IN Dyck, Brian P.; Goodfellow, Val; Phillips, Teresa; Parker, Jessica; Zhang, Xiaohu; Chen, Chen; Tran, Joe Anh; Pontillo, Joseph; Tucci, Fabio C.

PA Neurocrine Biosciences, Inc., USA

SO PCT Int. Appl., 112 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO. KIND DATE APPLICATION NO.

DATE

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     511549-54-5P
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        (preparation of peptides as ligands of melanocortin receptors)
     511538-63-9 CAPLUS
RN
CN
     3-Isoquinoline carboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-(1-chlorophenyl)methyl]
     cyanocyclohexyl)-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-
           (CA INDEX NAME)
     (9CI)
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RN 511538-65-1 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[1-[(methylsulfonyl)amino]methyl]cyclohexyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 511538-64-0

CMF C31 H42 C1 N5 O4 S

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 511538-67-3 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-(1H-1,2,3-triazol-1-ylmethyl)cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 511538-66-2 CMF C32 H40 C1 N7 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 511538-69-5 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[2-(1H-1,2,4-triazol-1-yl)ethyl]cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

CRN 511538-68-4 CMF C33 H42 C1 N7 O2

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 511538-72-0 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-(1H-1,2,4-triazol-1-ylmethyl)cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

RN 511538-73-1 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-(4H-1,2,4-triazol-4-ylmethyl)cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-03-0 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

.RN 511539-04-1 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cyclopentyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

RN 511539-06-3 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(4H-1,2,4-triazol-4-ylmethyl)cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-07-4 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

RN 511539-15-4 CAPLUS

CN 3-Pyridinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-16-5 CAPLUS

CN 3-Azetidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-17-6 CAPLUS

CN 2-Pyrrolidineacetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]-, (2S)-(9CI) (CA INDEX NAME)

RN 511539-18-7 CAPLUS

CN 1H-Imidazole-4-acetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-22-3 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-3-(1H-1,2,4-triazol-1-ylmethyl)-2H-thiopyran-4-yl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

RN 511539-23-4 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[tetrahydro-3-(1H-1,2,4-triazol-1-ylmethyl)-2H-pyran-4-yl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-29-0 CAPLUS

CN 2(1H)-Isoquinolinepropanamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]-3,4-dihydro-(9CI) (CA INDEX NAME)

RN 511539-40-5 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-yl)cycloheptyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-41-6 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[(1-methyl-1H-tetrazol-5-yl)methyl]cyclohexyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-42-7 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[2- $^{\circ}$]

(methylamino)-2-oxoethyl]cyclohexyl]-1-piperazinyl]-2-oxoethyl]-1,2,3,4tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-43-8 CAPLUS

CN Cyclohexaneacetic acid, 2-[4-[(2R)-3-(4-chlorophenyl)-1-oxo-2-[[[(3R)-1,2,3,4-tetrahydro-3-isoquinolinyl]carbonyl]amino]propyl]-1-piperazinyl]-, ethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511539-46-1 CAPLUS

CN Cycloheptanecarboxylic acid, 2-[4-[(2R)-3-(4-chlorophenyl)-1-oxo-2-[[[(3R)-1,2,3,4-tetrahydro-3-isoquinolinyl]carbonyl]amino]propyl]-1-piperazinyl]-, methyl ester (9CI) (CA INDEX NAME)

RN 511540-40-2 CAPLUS

CN 3-Quinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511540-41-3 CAPLUS

CN 4-Pyridinepropanamide, α -amino-N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511540-42-4 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

RN 511540-43-5 CAPLUS

CN 1H-Isoindole-1-carboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]-2,3-dihydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511540-44-6 CAPLUS

CN 1-Isoquinolineacetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511540-45-7 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511540-46-8 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[1-[[(phenylacetyl)amino]methyl]cyclohexyl]-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511549-38-5 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

RN 511549-40-9 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(3,4-dichlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511549-41-0 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(2,4-dichlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

RN 511549-42-1 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-2-oxo-1-(phenylmethyl)-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511549-43-2 CAPLUS

CN 2-Piperidineacetamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-ylmethyl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

RN 511549-45-4 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-(1H-1,2,4-triazol-1-yl)cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511549-46-5 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[(dimethylamino)carbonyl]cycloheptyl]-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

RN 511549-47-6 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1S)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[(dimethylamino)carbonyl]cycloheptyl]-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511549-48-7 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1S)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[(methylamino)carbonyl]cycloheptyl]-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

RN 511549-50-1 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-[2-[(phenylmethyl)amino]carbonyl]cycloheptyl]-1-piperazinyl]ethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511549-51-2 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[[[2-(1H-imidazol-2-yl)ethyl]amino]carbonyl]cycloheptyl]-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

RN 511549-52-3 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[[[2-(4-fluorophenyl)ethyl]amino]carbonyl]cycloheptyl]-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 511549-53-4 CAPLUS

CN 3-Piperidinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-[4-[2-[[[2-(dimethylamino)ethyl]amino]carbonyl]cycloheptyl]-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

RN 511549-54-5 CAPLUS

CN Cycloheptanecarboxylic acid, 2-[4-[(2S)-3-(4-chlorophenyl)-1-oxo-2-[(3-piperidinylcarbonyl)amino]propyl]-1-piperazinyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 33 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2003:97413 CAPLUS

DN 138:153555

TI Preparation of piperidinyl piperazine and piperidine derivatives as thrombolytic agents

IN Wiley, Michael Robert; Liebeschuetz, John Walter; Sall, Daniel Jon

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 63 pp. CODEN: PIXXD2

DT Patent

LA English

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IT
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     preparation); THU (Therapeutic use); BIOL (Biological study); PREP
     (Preparation); RACT (Reactant or reagent); USES (Uses)
        (preparation of piperidinyl piperazine derivs. as Factor Xa inhibitors)
RN
     495377-13-4 CAPLUS
     1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-
CN
     piperazinyl]carbonyl]-3-butynyl]- (9CI) (CA INDEX NAME)
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Absolute stereochemistry. Rotation (-).

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RN 495377-16-7 CAPLUS
CN 1H-Indole-6-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butynyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RN 495377-20-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RN 495377-24-7 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

$$\begin{array}{c|c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & & \\ & &$$

RN 495377-61-2 CAPLUS

CN 1H-Indole-6-carboxamide, 5-chloro-N-[(1R)-2-methyl-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]- (9CI) (CA INDEX NAME)

495376-76-6P 495376-78-8P 495376-79-9P IT 495376-80-2P 495376-82-4P 495376-83-5P 495376-84-6P 495376-85-7P 495376-98-2P 495376-99-3P 495377-04-3P 495377-06-5P 495377-09-8P 495377-10-1P 495377-15-6P 495377-17-8P 495377-21-4P 495377-25-8P RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of piperidinyl piperazine derivs. as Factor Xa inhibitors) RN

495376-76-6 CAPLUS

1H-Indole-6-carboxamide, N-[(1R)-2-methyl-1-[[4-(1-methyl-4-piperidinyl)-1-CN piperazinyl]carbonyl]propyl]-, hydrochloride (5:7) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

7/5 HCl

RN 495376-78-8 CAPLUS

CN 1H-Indole-6-carboxamide, 3-chloro-N-[(1R)-2-methyl-1-[[4-(1-methyl-4piperidinyl)-1-piperazinyl]carbonyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HCl

RN 495376-79-9 CAPLUS

CN 1H-Indole-6-carboxamide, 3-methyl-N-[(1R)-2-methyl-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, hydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●x HCl

RN 495376-80-2 CAPLUS

CN 1H-Indole-6-carboxamide, 5-chloro-N-[(1R)-2-methyl-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HC1

RN 495376-82-4 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R)-2-methyl-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●2 HC1

RN 495376-83-5 CAPLUS.

CN 1H-Indole-6-carboxamide, N-[(1R)-2,2-dimethyl-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, hydrochloride (10:21) (9CI) (CA INDEX NAME)

●21/10 HCl

RN 495376-84-6 CAPLUS
CN 1H-Indole-6-carboxamide, N-[(1R,2R)-2-methyl-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]butyl]-, hydrochloride (10:23) (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●23/10 HCl

RN 495376-85-7 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-3-methyl-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]butyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

●11/10 HCl

RN 495376-98-2 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

HC1

RN 495376-99-3 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]propyl]-, monohydrochloride (9CI) (CA INDEX NAME)

HCl

RN 495377-04-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]butyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

$$\begin{array}{c|c} Me & \\ N & \\ N & \\ R & \\ N & \\ \end{array}$$

HCl

RN 495377-06-5 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]butyl]-, hydrochloride (10:9) (9CI) (CA INDEX NAME)

●9/10 HCl

RN 495377-09-8 CAPLUS

CN 1H-Indole-2-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]pentyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

● HCl

RN 495377-10-1 CAPLUS

CN lH-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]pentyl]-, monohydrochloride (9CI) (CA INDEX NAME)

● HCl

RN 495377-15-6 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butynyl]-, hydrochloride (10:9) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

●9/10 HCl

RN 495377-17-8 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butynyl]-, hydrochloride (5:6) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

●6/5 HCl

RN 495377-21-4 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butenyl]-, hydrochloride (5:6) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

●6/5 HCl

RN 495377-25-8 CAPLUS

CN 1H-Indole-2-carboxamide, 5-chloro-N-[(1R)-1-[[4-(1-methyl-4-piperidinyl)-1-piperazinyl]carbonyl]-3-butenyl]-, hydrochloride (10:11) (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

$$H_2C$$
 H_2C
 H_1
 H_2
 H_2
 H_1
 H_2
 H_1
 H_2
 H_3
 H_4
 $H_$

●11/10 HCl

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L7 ANSWER 34 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN
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AN 2003:97304 CAPLUS

DN 138:137330

TI Preparation of substituted piperazines as agonists of melanocortin receptors useful against obesity and diabetes

IN Fotsch, Christopher H.; Arasasingham, Premilla; Bo, Yunxin; Chen, Ning; Goldberg, Martin H.; Han, Nianhe; Hsieh, Feng-Yin; Kelly, Michael G.; Liu, Qingyian; Norman, Mark H.; Smith, Duncan M.; Stec, Markian; Tamayo, Nuria; Xi, Ning; Xu, Shimin

PA Amgen Inc., USA

SO PCT Int. Appl., 331 pp. CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

rAN.			NO.			KIND DATE				i		ICAT:	DATE						
ΡI	WO 2003009850							1					20020725						
									AZ,										
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			GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,	KR,	ΚZ,	LC,	LK,	LR,	
		LS, LT, LU,				LV,	MA,	MD,	MG,	MK,	MN,	MW,	MX,	MZ,	NO,	NZ,	OM,	PH,	
		PL, PT, RO,				RU,	SD,	SE,	SG,	SI,	SK,	SL,	ТJ,	TM,	TN,	TR,	TT,	TZ,	
		UA, UG, UZ,				VN,	ΥU,	ZA,	ZW	,			•						
		RW: GH, GM, KE,		•	•			-	-	-									
			-		-	-	-		ES,										
			•	•	•		BF,	ВJ,	CF,	CG,	CI,	CM,	GΑ,	GN,	GQ,	G₩,	ML,	MR,	
			•	SN,	•								· .						
										1	US 2	002-		20020724					
		7115						2006											
	CA	2454	903						CA 2002-2454903										
	EP	EP 1417190					A1 20040512			EP 2002-761189						20020725			
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									MK,										
		•	2005503369 T2 20050							JP 2	003-	5152	42		2	0020	725		
PRAI	US	2001	-307	831P		P		20010725											
	US 2002-202823						A 20020724												
	WO 2002-US23926 .							2002	0725										
os	MAI	RPAT	138:	1373	30														

IT 494783-23-2P, N-[(1R)-1-[(4-Chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridyl)piperazin-1-yl]ethyl]-(3S)-1,2,3,4-tetrahydroisoquinoline-3-carboxamide 494783-24-3P, N-[(1R)-1-[(4-Chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridyl)piperazin-1-yl]ethyl]-(3S)-1,2,3,4-tetrahydroisoquinoline-3-carboxamide monoacetate
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; preparation of substituted piperazines as agonists of melanocortin receptors useful against obesity and diabetes)

RN 494783-23-2 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 494783-24-3 CAPLUS

CN 3-Isoquinolinecarboxamide, N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]-1,2,3,4-tetrahydro-, (3S)-, monoacetate (9CI) (CA INDEX NAME)

CM 1

CRN 494783-23-2 CMF C28 H30 C1 N5 O2

Absolute stereochemistry.

CM 2

CRN 64-19-7 CMF C2 H4 O2

0 HO-C-CH3

IT 494783-26-5P, tert-Butyl 3-[N-[(1R)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridyl)piperazin-1-yl]ethyl]carbamoyl]-(3S)-1,2,3,4-tetrahydroisoquinoline-2-carboxylate

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of substituted piperazines as agonists of melanocortin receptors useful against obesity and diabetes)

RN 494783-26-5 CAPLUS

CN 2(1H)-Isoquinolinecarboxylic acid, 3-[[[(ÎR)-1-[(4-chlorophenyl)methyl]-2-oxo-2-[4-(2-pyridinyl)-1-piperazinyl]ethyl]amino]carbonyl]-3,4-dihydro-, 1,1-dimethylethyl ester, (3S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 35 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2002:964343 CAPLUS

DN 138:29109

TI Preparation of crystal forms of antithrombotic piperazine derivative

IN Engel, Gary Lowell; Diseroad, Benjamin Alan

PA Eli Lilly and Company, USA

SO PCT Int. Appl., 19 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 13

T. TATA . A	~14 T	TJ																
-	PATENT NO.						D.	DATE			APPL	ICAT	DATE					
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PI	WO 2002100847				A2		2002	1	WO 2	002-1	20020606							
	WO 2002100847			A3		20030821												
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             PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
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             GN, GQ, GW, ML, MR, NE, SN, TD, TG
                                             WO 2001-GB2553
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     WO 2001096323
                          A1
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             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                 20040317
                                             EP 2002-778933
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     EP 1397348
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                                 20050928
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     JP 2004534062
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                                 20051015
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     AT 305452
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     US 2004162295
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PRAI WO 2001-GB2553
                           W
                                 20010612
     US 2001-339295P
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     WO 2000-GB2302
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                                 20000613
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     WO 2002-US16569
                           W
                                 20020606
IT
     478279-46-8P
     RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP
     (Physical process); SPN (Synthetic preparation); THU (Therapeutic use);
     BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
        (preparation of crystalline forms of antithrombotic (indolecarbonyl-
        phenylglycinyl) (methylpiperidinyl)piperazine difumarate)
RN
     478279-46-8 CAPLUS
     1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-
CN
     piperazinyl]-2-oxo-1-phenylethyl]-, (2E)-2-butenedioate (1:2) (9CI)
     INDEX NAME)
     CM
          1
     CRN
          313489-71-3
     CMF
          C27 H33 N5 O2
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Rotation (-).

CM 2

CRN 110-17-8 CMF C4 H4 O4

Double bond geometry as shown.

IT 313489-71-3

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of crystalline forms of antithrombotic (indolecarbonyl phenylglycinyl) (methylpiperidinyl)piperazine difumarate)

RN 313489-71-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

L7 ANSWER 40 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:923784 CAPLUS

DN 136:54020

TI Preparation of amino acid derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Murray, Christopher William; Young, Stephen Clinton; Camp, Nicholas Paul; Jones, Stuart Donald; Wylie, William Alexander; Masters, John Joseph; Wiley, Michael Robert; Sheehan, Scott Martin; Engel, David Birenbaum; Watson, Brian Morgan; Guzzo, Peter Robert;

Mayer, Michael John

Eli Lilly and Company, USA PA PCT Int. Appl., 191 pp. CODEN: PIXXD2 DT Patent LA English FAN.CNT 13 APPLICATION NO. DATE KIND DATE PATENT NO. _____ ______ _____ ____ _____ 20010612 WO 2001-GB2553 ΡI WO 2001096323 **A1** 20011220 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG WO 2000076971 A2 20001221 WO 2000-GB2302 20000613 WO 2000076971 **A3** 20010802 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA. ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG 20011220 CA 2001-2411805 20010612 CA 2411805 AΑ EP 2001-936686 20010612 EP 1289972 **A**1 20030312 EP 1289972 В1 20040908 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR 20030624 BR 2001-11451 20010612 BR 2001011451 Α JP 2004503547 **T**2 20040205 JP 2002-510466 20010612 20010612 NZ 521896 20040730 NZ 2001-521896 Α 20040915 AT 2001-936686 20010612 AT 275554 Ε US 2003055246 **A**1 20030320 US 2002-30187 20020204 US 6946467 20050920 В2 WO 2002100847 A2 20021219 WO 2002-US16569 20020606 WO 2002100847 А3 20030821 AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG EP 2002-778933 EP 1397348 20020606 A2 20040317 EP 1397348 В1 20050928 AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR 20041111 JP 2003-503615 20020606 JP 2004534062 Т2

10/500476

	AT 305452	E	20051015	ΑТ	2002-778933	20020606
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	NO 2002005665	A	20021125		2002-5665	20021125
	HR 20020997	B1	20050228	-	2002-997	20021212
	нк 1054379	A1	20050324		2003-106546	20030911
	US 2004162295	A1	20040819	US	2003-477192	20031117
	US 2004142963	A1	20040722	US	2004-754923	20040112
	US 6936611	B2	20050830			
	US 2004176363	A1	20040909	US	2004-803157	20040318
PRAI	WO 2000-GB2302	W	20000613			
	GB 2000-30304	Α	20001213			
	GB 1999-13823	Α	19990614			
	US 1999-142064P	P	19990702			
	GB 1999-18741	Α	19990809			
	GB 1999-29553	Α	19991214			
	WO 2001-GB2553	W	20010612			
	US 2001-339295P	P	20011212			
	US 2002-30187	A1	20020204			
	WO 2002-US16569	W	20020606			
os	MARPAT 136:54020					
ΙT	381722-57-2P				·	
	RL: BYP (Byproduct);					
		mino a	cid derivs.	as	serine protease in	nibitors)
RN	381722-57-2 CAPLUS					
CN	1H-Indole-6-carboxam					
	piperidinyl)-1-piper	azinyl	.]-2-oxoethyl	. J –	(9CI) (CA INDEX N	AME)

Absolute stereochemistry.

IT 313489-71-3P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of amino acid derivs. as serine protease inhibitors)

RN 313489-71-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

Absolute stereochemistry.

RN 313489-72-4 CAPLUS

CN lH-Indole-6-carboxamide, 3-methyl-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

RN 313489-73-5 CAPLUS

CN 1H-Indole-6-carboxamide, 3-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 381721-15-9 CAPLUS

CN 1H-Indole-6-carboxamide, N-[1-(2-chlorophenyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

$$\begin{array}{c|c} & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ &$$

•2 HCl

RN 381721-16-0 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-(2-chlorophenyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

10/500476

Absolute stereochemistry.

●2 HCl

RN 381721-17-1 CAPLUS

CN 1H-Indole-6-carboxamide, N-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(8-quinolinyl)ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

RN 381721-18-2 CAPLUS

CN 1H-Indole-6-carboxamide, 3-chloro-N-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(8-quinolinyl)ethyl]-, hydrochloride (9CI) (CA INDEX NAME)

RN 381721-19-3 CAPLUS

CN 1H-Indole-6-carboxamide, 3-methyl-N-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-(8-quinolinyl)ethyl]-, trihydrochloride (9CI) (CA INDEX NAME)

RN 381721-22-8 CAPLUS

CN 1H-Indole-6-carboxamide, N-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-[2-(trifluoromethyl)phenyl]ethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HCl

RN 381721-24-0 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-cyclopentyl-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

●2 HCl

RN 381721-26-2 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-cyclohexyl-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]-, dihydrochloride (9CI) (CA INDEX NAME)

●2 HCl

RN 381721-31-9 CAPLUS

CN 1H-Indole-6-carboxamide, N-[2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-1- (1-naphthalenyl)-2-oxoethyl]- (9CI) (CA INDEX NAME)

RN 381721-39-7 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RN 381721-40-0 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]-, (2Z)-2-butenedioate (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 313489-71-3 CMF C27 H33 N5 O2

Absolute stereochemistry. Rotation (-).

CM 2

CRN 110-16-7

CMF C4 H4 O4

Double bond geometry as shown.

RN 381721-46-6 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-1-(2-chlorophenyl)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 44 OF 52 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2000:900613 CAPLUS

DN 134:56957

TI Preparation of amino acid derivatives as serine protease inhibitors

IN Liebeschuetz, John Walter; Lyons, Amanda Jane; Murray, Christopher William; Rimmer, Andrew David; Young, Stephen Clinton; Camp, Nicholas Paul; Jones, Stuart Donald; Morgan, Phillip John; Richards, Simon James; Wylie, William Alexander; Lively, Sarah Elizabeth; Harrison, Martin James; Waszkowycz, Bohdan; Masters, John Joseph; Wiley, Michael John

PA Eli Lilly and Company, USA; Protherics Molecular Design Limited

SO PCT Int. Appl., 350 pp.

CODEN: PIXXD2

DT Patent LA English

FAN.CNT 13

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PI	WO 2000076970 WO 2000076970		A2 20001221		WO 2000-GB2296						20000613							
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			SE, ZA,	•	SI,	SK,	SL,	ТJ,	TM,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,	VN,	YU,
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WO 2000-GB2296 W 20000613

OS MARPAT 134:56957

IT 313488-33-4P 313489-71-3P 313489-72-4P 313489-73-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of amino acid derivs. as serine protease inhibitors)

RN 313488-33-4 CAPLUS

CN Benzoic acid, 4-[(1R)-1-[(1H-indol-6-ylcarbonyl)amino]-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxoethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 313489-71-3 CAPLUS

CN 1H-Indole-6-carboxamide, N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).

RN 313489-72-4 CAPLUS

CN 1H-Indole-6-carboxamide, 3-methyl-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

RN 313489-73-5 CAPLUS

CN 1H-Indole-6-carboxamide, 3-chloro-N-[(1R)-2-[4-(1-methyl-4-piperidinyl)-1-piperazinyl]-2-oxo-1-phenylethyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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L3		1513 S	L1 SSS F	JLL					
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L5		973 S	L4 FULL	SUB=L	3				
L6		540 S	L3 NOT L	5					
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L8			0	L6

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